

## CDISC SEND Controlled Terminology, 2016-06-24

Source: NCI EVS Terminology Resources website: <http://www.cancer.gov/cancertopics/cancerlibrary/terminologyresources/cdisc>

| NCI Code | CDISC Submission Value | Codelist Name                        | CDISC Definition  | Codelist Extensible |
|----------|------------------------|--------------------------------------|---|---------------------|
| C66781   | AGEU                   | Age Unit                             | Those units of time that are routinely used to express the age of a subject.  | No                  |
| C89959   | BGTEST                 | Body Weight Gain Test Name           | Terminology for the test names concerned with the increase in overall body mass.  | Yes                 |
| C89960   | BGTESTCD               | Body Weight Gain Test Code           | Terminology for the test codes concerned with the increase in overall body mass.  | Yes                 |
| C88026   | BODSYS                 | Body System                          | The terminology that includes concepts relevant to anatomical structure that consists of organs and organ subclasses responsible for certain body functions.  | Yes                 |
| C89961   | BWTEST                 | Body Weight Test Name                | Terminology for the test names concerned with the measurement of body mass.   | Yes                 |
| C89962   | BWTESTCD               | Body Weight Test Code                | Terminology for the test codes concerned with the measurement of body mass.   | Yes                 |
| C120529  | CHRNCTY                | Chronicity                           | Terminology relevant to the relative duration of a finding.   | Yes                 |
| C89963   | CLCAT                  | Category for Clinical Observation    | Terminology related to classifications that describe and group clinical observations.   | Yes                 |
| C66786   | COUNTRY                | Country                              | A collective generic term that refers here to a wide variety of dependencies, areas of special sovereignty, uninhabited islands, and other entities in addition to the traditional countries or independent states. (NCI)   | No                  |
| C90018   | CSTATE                 | Consciousness State                  | Terminology related to the sense of awareness of self and of the environment.   | Yes                 |
| C89965   | DDTEST                 | Death Diagnosis Test Name            | Terminology for the test names concerned with the circumstance or condition that results in the death of a living being.  | No                  |
| C89966   | DDTESTCD               | Death Diagnosis Test Code            | Terminology for the test codes concerned with the circumstance or condition that results in the death of a living being.  | No                  |
| C89967   | DESIGN                 | Study Design                         | Terminology related to the plan detailing how a study will be performed in order to represent the phenomenon under examination, to answer the research questions that have been asked, and defining the methods of data analysis.   | Yes                 |
| C99074   | DIR                    | Directionality                       | CDISC terminology for anatomical location or specimen further detailing directionality.   | Yes                 |
| C89968   | DSDECOD                | Standardized Disposition Term        | Terminology related to the final disposition of the subject in a study.   | No                  |
| C120530  | DSTRBN                 | Distribution                         | Terminology relevant to the distribution of a finding within a specimen.  | Yes                 |
| C90012   | EGCATSND               | SEND ECG Category                    | Terminology related to classifications that describe SEND ECG tests.  | Yes                 |
| C90013   | EGLEAD                 | ECG Lead                             | Terminology related to electrocardiogram lead names.  | Yes                 |
| C71151   | EGMETHOD               | ECG Test Method                      | Terminology codelist used with ECG Test Methods within CDISC.   | Yes                 |
| C71150   | EGSTRESC               | ECG Result                           | Terminology codelist used with ECG Findings and Abnormalities within CDISC.   | Yes                 |
| C71152   | EGTEST                 | ECG Test Name                        | Terminology codelist used with ECG Test Names within CDISC.   | Yes                 |
| C71153   | EGTESTCD               | ECG Test Code                        | Terminology codelist used with ECG Tests within CDISC.  | Yes                 |
| C124312  | FMTEST                 | Fetal Measurement Test Name          | Terminology for the test name relevant to fetal measurements.   | Yes                 |
| C124311  | FMTESTCD               | Fetal Measurement Test Code          | Terminology for the test code relevant to fetal measurements.   | Yes                 |
| C71113   | FREQ                   | Frequency                            | The terminology that includes terms pertaining to frequency within CDISC.   | Yes                 |
| C66726   | FRM                    | Pharmaceutical Dosage Form           | The form of the completed pharmaceutical product, e.g. tablet, capsule, injection, elixir, suppository. Dosage form can have a significant effect on the onset, duration and intensity of the pharmacological action of a drug. A pharmaceutical dosage form controls the rate at which the drug is released into the biological fluids. This release rate affects its intrinsic absorption pattern and therefore, the bioavailability of the drug. | Yes                 |
| C89969   | FWTEST                 | Food and Water Consumption Test Name | Terminology for the test names concerned with the subject's consumption of food and/or water.   | Yes                 |

| NCI Code | CDISC Submission Value | Codelist Name                              | CDISC Definition  | Codelist Extensible |
|----------|------------------------|--|---|---------------------|
| C89970   | FWTESTCD               | Food and Water Consumption Test Code       | Terminology for the test codes concerned with the subject's consumption of food and/or water.   | Yes                 |
| C124310  | FXFINDRS               | Fetal Pathology Findings Result            | Terminology relevant to the results for fetal gross pathological findings.  | Yes                 |
| C124313  | FXRESCAT               | Fetal Pathology Findings Result Category   | Terminology relevant to the classifications of the results for fetal pathology findings.  | Yes                 |
| C124315  | FXTEST                 | Fetal Pathology Findings Test Name         | Terminology for the test names relevant to fetal pathology findings.  | Yes                 |
| C124314  | FXTESTCD               | Fetal Pathology Findings Test Code         | Terminology for the test codes relevant to fetal pathology findings.  | Yes                 |
| C124317  | ICFINDRS               | Implantation Findings Result               | Terminology relevant to the results for implantation findings.  | Yes                 |
| C124316  | ICRESCAT               | Implantation Findings Result Category      | Terminology relevant to the classifications of the results for implantation classification findings.  | Yes                 |
| C124319  | ICTEST                 | Implantation Findings Test Name            | Terminology for the test names relevant to implantation classifications.  | Yes                 |
| C124318  | ICTESTCD               | Implantation Findings Test Code            | Terminology for the test codes relevant to implantation classifications.  | Yes                 |
| C99073   | LAT                    | Laterality                                 | CDISC terminology for anatomical location or specimen further detailing the side(s) of interest.  | Yes                 |
| C67154   | LBTEST                 | Laboratory Test Name                       | Terminology used for laboratory test names of the CDISC Study Data Tabulation Model.  | Yes                 |
| C65047   | LBTESTCD               | Laboratory Test Code                       | Terminology used for laboratory test codes of the CDISC Study Data Tabulation Model.  | Yes                 |
| C74456   | LOC                    | Anatomical Location                        | Terminology codelist used for anatomical location within CDISC.   | Yes                 |
| C89971   | MATEST                 | Macroscopic Findings Test Name             | Terminology for the test names concerned with the findings from a specimen that are visible to the naked eye.   | Yes                 |
| C89972   | MATESTCD               | Macroscopic Findings Test Code             | Terminology for the test codes concerned with the findings from a specimen that are visible to the naked eye.   | Yes                 |
| C90017   | MIRESCAT               | Microscopic Histopathology Result Category | Terminology related to the classifications of the results from a microscopic histopathological analysis.  | Yes                 |
| C89973   | MITEST                 | Microscopic Findings Test Name             | Terminology for the test names concerned with the findings from a specimen that are visible by microscopic analysis.                                    | Yes                 |
| C89974   | MITESTCD               | Microscopic Findings Test Code             | Terminology for the test codes concerned with the findings from a specimen that are visible by microscopic analysis.                                    | Yes                 |
| C89975   | MTHTRM                 | Method of Termination                      | Terminology related to the method by which an experimental organism is euthanized. This includes events that occur as a step in the induction of death. | Yes                 |
| C124321  | NCDPHASE               | Nonclinical DART Trial Phases              | Terminology related to intervals of time associated with the defined phases of Developmental and Reproductive Toxicology (DART) studies.                | Yes                 |
| C124320  | NCDSEX                 | Nonclinical DART Sex                       | Terminology related to the determination of fetal sex in Developmental and Reproductive Toxicology (DART) studies.                                      | No                  |
| C66789   | ND                     | Not Done                                   | Indicates a task, process or examination that has either not been initiated or completed. (NCI)   | No                  |
| C88025   | NEOPLASM               | Neoplasm Type                              | The terminology that includes concepts relevant to benign or malignant tissue growth.   | Yes                 |
| C90004   | NEOSTAT                | Neoplastic Status                          | Terminology related to the classifications of the results from a histopathological analysis of a tumor.   | No                  |
| C120531  | NONNEO                 | Non-Neoplastic Finding Type                | The terminology that includes concepts relevant to non-neoplastic microscopic findings.   | Yes                 |
| C66742   | NY                     | No Yes Response                            | A term that is used to indicate a question with permissible values of yes/no/unknown/not applicable.  | No                  |
| C89976   | OMTEST                 | Organ Measurement Test Name                | Terminology for the test names concerned with the measurement of organs.  | Yes                 |

| NCI Code | CDISC Submission Value | Codelist Name                          | CDISC Definition   | Codelist Extensible |
|----------|------------------------|--|--|---------------------|
| C89977   | OMTESTCD               | Organ Measurement Test Code            | Terminology for the test codes concerned with the measurement of organs.   | Yes                 |
| C95120   | PHSPRP                 | Physical Properties Test Name          | Terminology relevant to the test names that describe the physical characteristics of an entity.  | Yes                 |
| C95121   | PHSPRCD                | Physical Properties Test Code          | Terminology relevant to the test codes that describe the physical characteristics of an entity.  | Yes                 |
| C85493   | PKPARM                 | PK Parameters                          | Parameters used to describe the time-concentration curve.  | Yes                 |
| C85839   | PKPARMCD               | PK Parameters Code                     | Parameter codes used to describe the time-concentration curve.   | Yes                 |
| C85494   | PKUNIT                 | PK Units of Measure                    | Units of measure for pharmacokinetic data and parameters.  | Yes                 |
| C99075   | PORTOT                 | Portion/Totality                       | Qualifier for anatomical location or specimen further detailing the portion or totality, which means arrangement of, or apportioning of an entity.   | Yes                 |
| C71148   | POSITION               | Position                               | Terminology codelist used with Body Position within CDISC.   | Yes                 |
| C124323  | PYFINDRS               | Pregnancy Findings Result              | Terminology relevant to the results for pregnancy findings.  | Yes                 |
| C124322  | PYRESCAT               | Pregnancy Findings Result Category     | Terminology relevant to the classifications of the results for pregnancy findings.   | Yes                 |
| C124325  | PYTEST                 | Pregnancy Findings Test Name           | Terminology for the test names relevant to pregnancy.  | Yes                 |
| C124324  | PYTESTCD               | Pregnancy Findings Test Code           | Terminology for the test codes relevant to pregnancy.  | Yes                 |
| C78737   | RELTYPE                | Relationship Type                      | The description of relationship types between a record or set of records.  | No                  |
| C66729   | ROUTE                  | Route of Administration                | The course by which a substance was administered in order to reach the site of action in the body.   | Yes                 |
| C89981   | SBCCDSND               | SEND Subject Characteristics Test Code | Terminology for the test codes concerned with the distinguishing qualities or prominent aspect of a person, object, action, process, or substance.   | Yes                 |
| C89980   | SBCSND                 | SEND Subject Characteristics Test Name | Terminology for the test names concerned with the distinguishing qualities or prominent aspect of a person, object, action, process, or substance.   | Yes                 |
| C120533  | SCVTST                 | SEND Cardiovascular Test Name          | Terminology related to the SEND cardiovascular test name codelist.   | Yes                 |
| C120532  | SCVTSTCD               | SEND Cardiovascular Test Code          | Terminology related to the SEND cardiovascular test code codelist.   | Yes                 |
| C111113  | SDOMAIN                | SEND Domain Abbreviation               | A unique, 2-character domain code used in the regulatory submission process of pre-clinical studies. The domain abbreviation is used consistently throughout the submission, i.e. in the dataset name, as the value of the domain variable within the dataset, and as a prefix for most variable names in the dataset. | Yes                 |
| C90000   | SEV                    | Severity                               | SEND terminology related to the degree of an occurrence of something undesirable.  | No                  |
| C66731   | SEX                    | Sex                                    | The assemblage of physical properties or qualities by which male is distinguished from female; the physical difference between male and female; the distinguishing peculiarity of male or female. (NCI)  | No                  |
| C66732   | SEXPOP                 | Sex of Participants                    | The specific sex, either male, female, or mixed of the subject group being studied. (NCI)  | No                  |
| C89982   | SNDIGVER               | SEND Implementation Guide Version      | Terminology related to the version of the SEND implementation guide that is in use for the study.  | Yes                 |
| C77529   | SPEC                   | Specimen                               | Terminology related to any material sample taken from a biological entity.   | Yes                 |
| C77808   | SPECIES                | Species                                | Terminology related to the common name for an animal used as the test system in a study (e.g., dog, monkey, mouse, rabbit, rat).   | Yes                 |
| C120535  | SRETST                 | SEND Respiratory Test Name             | Terminology related to the SEND respiratory test name codelist.  | Yes                 |
| C120534  | SRETSTCD               | SEND Respiratory Test Code             | Terminology related to the SEND respiratory test code codelist.  | Yes                 |
| C90003   | SSTYP                  | SEND Study Type                        | The further classification of nonclinical studies performed e.g. absorption, distribution and metabolism.  | Yes                 |

| NCI Code | CDISC Submission Value | Codelist Name                          | CDISC Definition  | Codelist Extensible |
|----------|------------------------|--|---|---------------------|
| C90002   | STCAT                  | Study Category                         | The type of nonclinical study performed e.g. pharmacokinetics, safety pharmacology and toxicology.  | Yes                 |
| C77530   | STRAIN                 | Strain/Substrain                       | Terminology used to identify the vendor-supplied strain, substrain or breed designation for the test system under study. It may combine the background strain, substrain, and associated genetic modifications as supplied by the vendor. | Yes                 |
| C90007   | STSPRM                 | SEND Trial Summary Parameter Test Name | Terminology related to the parameter names of the individual characteristics of a nonclinical study.  | Yes                 |
| C90009   | STSPRMCD               | SEND Trial Summary Parameter Test Code | Terminology related to the parameter codes of the individual characteristics of a nonclinical study.  | Yes                 |
| C90005   | TFTEST                 | Tumor Findings Test Name               | Terminology for the test names concerned with the assessment or evaluation of a neoplastic mass.  | Yes                 |
| C90006   | TFTESTCD               | Tumor Findings Test Code               | Terminology for the test codes concerned with the assessment or evaluation of a neoplastic mass.  | Yes                 |
| C71620   | UNIT                   | Unit                                   | Terminology codelist used for units within CDISC.   | Yes                 |
| C66770   | VSRESU                 | Units for Vital Signs Results          | The unit used to record and describe the result of a test investigating a vital sign. (NCI)   | Yes                 |
| C67153   | VSTEST                 | Vital Signs Test Name                  | The test name given to the test that analyzes a particular set of vital signs including temperature, respiratory rate, heart rate, and blood pressure.  | Yes                 |
| C66741   | VSTESTCD               | Vital Signs Test Code                  | The test code given to the test that analyzes a particular set of vital signs including temperature, respiratory rate, heart rate, and blood pressure.  | Yes                 |

## AGEU (Age Unit)

NCI Code: C66781, Codelist extensible: No

| C66781 AGEU |                        |               |   |                    |
|-------------|------------------------|---------------|---|--------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C25301      | DAYS                   | Day           | The time for Earth to make a complete rotation on its axis; ordinarily divided into twenty-four hours. This also refers to a specific day. (NCI)                                      | Day                |
| C25529      | HOURS                  | Hour;hr       | A unit measure of time equal to 3,600 seconds or 60 minutes. It is approximately 1/24 of a median day. (NCI)  | Hour               |
| C29846      | MONTHS                 | Month         | One of the 12 divisions of a year as determined by a calendar. It corresponds to the unit of time of approximately to one cycle of the moon's phases, about 30 days or 4 weeks. (NCI) | Month              |
| C29844      | WEEKS                  | Week          | Any period of seven consecutive days. (NCI)   | Week               |
| C29848      | YEARS                  | Year          | The period of time that it takes for Earth to make a complete revolution around the sun, approximately 365 days; a specific one year period. (NCI)                                    | Year               |

**BGTEST (Body Weight Gain Test Name)**

NCI Code: C89959, Codelist extensible: Yes

| <b>C89959 BGTEST</b> |   |   |   |  |
|----------------------|---|---|---|--|
| <b>NCI Code</b>      | <b>CDISC Submission Value</b>           | <b>CDISC Synonym</b>                    | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                        |
| C90363               | Average Body Weight Gain                | Average Body Weight Gain                | The mean value of the amount of weight change over a period of time, relative to the beginning of the collection period.  | Average Body Weight Gain                         |
| C62754               | Body Weight Gain                        | Body Weight Gain                        | A change in overall body weight, relative to the beginning of the collection period.  | Weight Gain                                      |
| C124476              | Gravid Uterus Adjusted Body Weight Gain | Gravid Uterus Adjusted Body Weight Gain | The amount of maternal body weight gained over a period of time where the weight at the end of the interval is adjusted for the gravid uterus weight. This is derived by subtracting the maternal body weight adjusted for the gravid uterus from the total maternal body weight. | Gravid Uterus Adjusted Maternal Body Weight Gain |
| C90434               | Percentage Body Weight Gain             | Percentage Body Weight Gain             | The amount of weight change over a period of time in relation to the total weight, relative to the beginning of the collection period.  | Percentage Body Weight Gain                      |

## BGTESTCD (Body Weight Gain Test Code)

NCI Code: C89960, Codelist extensible: Yes

| C89960 BGTESTCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term                               |
| C62754          | BWGAIN                 | Body Weight Gain                        | A change in overall body weight, relative to the beginning of the collection period.  | Weight Gain                                      |
| C90363          | BWGAINA                | Average Body Weight Gain                | The mean value of the amount of weight change over a period of time, relative to the beginning of the collection period.  | Average Body Weight Gain                         |
| C124476         | BWGAINGU               | Gravid Uterus Adjusted Body Weight Gain | The amount of maternal body weight gained over a period of time where the weight at the end of the interval is adjusted for the gravid uterus weight. This is derived by subtracting the maternal body weight adjusted for the gravid uterus from the total maternal body weight. | Gravid Uterus Adjusted Maternal Body Weight Gain |
| C90434          | BWGAINP                | Percentage Body Weight Gain             | The amount of weight change over a period of time in relation to the total weight, relative to the beginning of the collection period.  | Percentage Body Weight Gain                      |

## BODSYS (Body System)

NCI Code: C88026, Codelist extensible: Yes

| C88026 BODSYS |                         |               |  |                                    |
|---------------|-------------------------|---------------|--|------------------------------------|
| NCI Code      | CDISC Submission Value  | CDISC Synonym | CDISC Definition   | NCI Preferred Term                 |
| C35552        | CARDIOVASCULAR SYSTEM   |               | Symptoms, physical examination results, and/or laboratory test results related to the cardiovascular system. (NCI)                                       | Cardiovascular System Finding      |
| C36285        | ENDOCRINE SYSTEM        |               | Symptoms, physical examination results, and/or laboratory test results related to the endocrine system. (NCI)  | Endocrine System Finding           |
| C36279        | GASTROINTESTINAL SYSTEM |               | Symptoms, physical examination results, and/or laboratory test results related to the gastrointestinal system. (NCI)                                     | Digestive System Finding           |
| C36289        | HEMATOPOIETIC SYSTEM    |               | Symptoms, physical examination results, and/or laboratory test results related to the hematopoietic system. (NCI)  | Hematopoietic System Finding       |
| C39723        | IMMUNE SYSTEM           |               | Symptoms, physical examination results, and/or laboratory test results related to the immune system. (NCI)   | Immune System Finding              |
| C36281        | INTEGUMENTARY SYSTEM    |               | Symptoms, physical examination results, and/or laboratory test results related to the integumentary system. (NCI)  | Integumentary System Finding       |
| C36288        | MUSCULOSKELETAL SYSTEM  |               | Symptoms, physical examination results, and/or laboratory test results related to the musculoskeletal system, also including connective and soft tissue. | Connective and Soft Tissue Finding |
| C36280        | NERVOUS SYSTEM          |               | Symptoms, physical examination results, and/or laboratory test results related to the nervous system. (NCI)  | Nervous System Finding             |
| C36284        | REPRODUCTIVE SYSTEM     |               | Symptoms, physical examination results, and/or laboratory test results related to the reproductive system. (NCI)   | Reproductive System Finding        |
| C45233        | RESPIRATORY SYSTEM      |               | Symptoms, physical examination results, and/or laboratory test results related to the respiratory system. (NCI)  | Respiratory System Finding         |
| C36283        | SPECIAL SENSES SYSTEM   |               | Symptoms, physical examination results, and/or laboratory test results related to the organs of special sense. (NCI)                                     | Eye and Ear Finding                |
| C36286        | URINARY SYSTEM          |               | Symptoms, physical examination results, and/or laboratory test results related to the urinary system.  | Urinary System Finding             |



## BWTEST (Body Weight Test Name)

NCI Code: C89961, Codelist extensible: Yes

| C89961 BWTEST |                                    |                                    |   |   |
|---------------|------------------------------------|------------------------------------|---|---|
| NCI Code      | CDISC Submission Value             | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                          |
| C81328        | Body Weight                        | Body Weight                        | The weight of a subject. (NCI)  | Body Weight                                 |
| C124477       | Gravid Uterus Adjusted Body Weight | Gravid Uterus Adjusted Body Weight | The maternal body weight adjusted for the weight of the gravid uterus. This is derived by subtracting the gravid uterus weight from the total maternal body weight. | Gravid Uterus Adjusted Maternal Body Weight |
| C90464        | Terminal Body Weight               | Terminal Body Weight               | The weight of a subject at a specified end point. (NCI)   | Terminal Body Weight                        |

## BWTESTCD (Body Weight Test Code)

NCI Code: C89962, Codelist extensible: Yes

| C89962 BWTESTCD |                        |                                    |   |   |
|-----------------|------------------------|------------------------------------|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                          |
| C81328          | BW                     | Body Weight                        | The weight of a subject. (NCI)  | Body Weight                                 |
| C124477         | BWADJGU                | Gravid Uterus Adjusted Body Weight | The maternal body weight adjusted for the weight of the gravid uterus. This is derived by subtracting the gravid uterus weight from the total maternal body weight. | Gravid Uterus Adjusted Maternal Body Weight |
| C90464          | TERMBW                 | Terminal Body Weight               | The weight of a subject at a specified end point. (NCI)   | Terminal Body Weight                        |

## CHRNCTY (Chronicity)

NCI Code: C120529, Codelist extensible: Yes

| C120529 CHRNCTY |                        |               |  |                    |
|-----------------|------------------------|---------------|--|--------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C14140          | ACUTE                  |               | Morphologic changes that have a rapid onset.   | Acute              |
| C14141          | CHRONIC                |               | Morphologic changes that are persistent or long standing.  | Chronic            |
| C120853         | CHRONIC ACTIVE         |               | Morphologic changes that are persistent or long standing, superimposed with areas of acute change.                             | Chronic Active     |
| C120854         | PERACUTE               |               | Morphologic changes of very short or immediate onset. This onset is more rapid than that which is seen in an acute chronicity. | Peracute           |
| C120855         | SUBACUTE               |               | Morphologic changes containing characteristics of both acute and chronic, but predominantly acute.                             | Subacute           |
| C120856         | SUBCHRONIC             |               | Morphologic changes containing characteristics of both acute and chronic, but predominantly chronic.                           | Subchronic         |

## CLCAT (Category for Clinical Observation)

NCI Code: C89963, Codelist extensible: Yes

| C89963 CLCAT |                        |                |   |                      |
|--------------|------------------------|----------------|---|----------------------|
| NCI Code     | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C100104      | CLINICAL SIGNS         | Clinical Signs | Objective evidence of disease perceptible to the examiner (sign) and subjective evidence of disease perceived by the subject (symptom).   | Sign or Symptom      |
| C25478       | DERMAL                 | Dermal         | Of or relating to or located in the dermis. When used in the context of clinical observations, dermal may also include findings related to other components of the skin.  | Dermal               |
| C16939       | OPHTHALMOLOGY          | Ophthalmology  | A medical specialty concerned with the structure and function of the eye and the medical and surgical treatment of its defects and diseases. (NCI)  | Ophthalmology        |
| C20989       | PHYSICAL EXAM          | Physical Exam  | A systemic evaluation of the body and its functions using visual inspection, palpation, percussion and auscultation. The purpose is to determine the presence or absence of physical signs of disease or abnormality for an individual's health assessment. | Physical Examination |

## COUNTRY (Country)

NCI Code: C66786, Codelist extensible: No

| C66786 COUNTRY |                        |                                  |  |                                     |
|----------------|------------------------|----------------------------------|--|-------------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                    | CDISC Definition   | NCI Preferred Term                  |
| C17884         | ABW                    | ARUBA                            | Island in the Caribbean Sea, north of Venezuela. (NCI)   | Aruba                               |
| C16267         | AFG                    | AFGHANISTAN                      | A country in Southern Asia, north and west of Pakistan, east of Iran. (NCI)  | Afghanistan                         |
| C16292         | AGO                    | ANGOLA                           | A country in Southern Africa, bordering the South Atlantic Ocean, between Namibia and Democratic Republic of the Congo. (NCI)  | Angola                              |
| C20133         | AIA                    | ANGUILLA                         | An island in the Caribbean Sea, east of Puerto Rico. (NCI)   | Anguilla                            |
| C44481         | ALA                    | ALAND ISLANDS                    | An archipelago in the Baltic Sea at the entrance to the Gulf of Bothnia between Sweden and Finland. (NCI)  | Aland Islands                       |
| C16271         | ALB                    | ALBANIA                          | A country in Southeastern Europe, bordering the Adriatic Sea and Ionian Sea, between Greece and Serbia and Montenegro. (NCI)   | Albania                             |
| C16289         | AND                    | ANDORRA                          | A country in Southwestern Europe, between France and Spain. (NCI)  | Andorra                             |
| C17232         | ARE                    | UNITED ARAB EMIRATES             | A country in the Middle East, bordering the Gulf of Oman and the Persian Gulf, between Oman and Saudi Arabia. (NCI)  | United Arab Emirates                |
| C16305         | ARG                    | ARGENTINA                        | A country in Southern South America, bordering the South Atlantic Ocean, between Chile and Uruguay. (NCI)  | Argentina                           |
| C16306         | ARM                    | ARMENIA                          | A country in Southwestern Asia, east of Turkey. (NCI)  | Armenia                             |
| C17739         | ASM                    | AMERICAN SAMOA                   | A group of islands in the South Pacific Ocean, about half way between Hawaii and New Zealand. (NCI)  | American Samoa                      |
| C18007         | ATA                    | ANTARCTICA                       | The continent lying mostly south of the Antarctic Circle. (NCI)  | Antarctica                          |
| C20105         | ATF                    | FRENCH SOUTHERN TERRITORIES      | Islands in the southern Indian Ocean, south of Africa, about equidistant between Africa, Antarctica, and Australia. (NCI)  | French Southern and Antarctic Lands |
| C16303         | ATG                    | ANTIGUA AND BARBUDA              | Islands between the Caribbean Sea and the North Atlantic Ocean, east-southeast of Puerto Rico. (NCI)   | Antigua and Barbuda                 |
| C16311         | AUS                    | AUSTRALIA                        | The continent between the Indian Ocean and the South Pacific Ocean. (NCI)  | Australia                           |
| C16312         | AUT                    | AUSTRIA                          | A country in Central Europe, north of Italy and Slovenia. (NCI)  | Austria                             |
| C16316         | AZE                    | AZERBAIJAN                       | A country in Southwestern Asia, bordering the Caspian Sea, between Iran and Russia. (NCI)  | Azerbaijan                          |
| C16371         | BDI                    | BURUNDI                          | A country in Central Africa, east of Democratic Republic of the Congo. (NCI)   | Burundi                             |
| C16329         | BEL                    | BELGIUM                          | A country in Western Europe, bordering the North Sea, between France and the Netherlands. (NCI)  | Belgium                             |
| C16333         | BEN                    | BENIN; BENIN REPUBLIC            | A country in Western Africa, bordering the North Atlantic Ocean, between Nigeria and Togo. (NCI)   | Benin                               |
| C101224        | BES                    | BONAIRE, SINT EUSTATIUS AND SABA | Three Caribbean islands that are part of the Lesser Antilles; Bonaire is east of Aruba and Curacao off the coast of Venezuela, Sint Eustatius and Saba are located south of Sint Maarten and northeast of Saint Kitts and Nevis. (NCI) | Bonaire, Sint Eustatius and Saba    |
| C16369         | BFA                    | BURKINA FASO                     | A country in Western Africa, north of Ghana. (NCI)   | Burkina Faso                        |

| C66786 COUNTRY |                        |   |  |                                 |
|----------------|------------------------|---|--|---------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                             | CDISC Definition   | NCI Preferred Term              |
| C16323         | BGD                    | BANGLADESH                                | A country in Southern Asia, bordering the Bay of Bengal, between Burma and India. (NCI)  | Bangladesh                      |
| C16368         | BGR                    | BULGARIA                                  | A country in Southeastern Europe, bordering the Black Sea, between Romania and Turkey. (NCI)   | Bulgaria                        |
| C16322         | BHR                    | BAHRAIN                                   | An archipelago in the Persian Gulf, east of Saudi Arabia. (NCI)  | Bahrain                         |
| C16321         | BHS                    | BAHAMAS                                   | A chain of islands in the North Atlantic Ocean, southeast of Florida. (NCI)  | Bahamas                         |
| C16361         | BIH                    | BOSNIA AND HERZEGOVINA;BOSNIA-HERZEGOVINA | A country in Southeastern Europe, bordering the Adriatic Sea and Croatia. (NCI)  | Bosnia and Herzegovina          |
| C83609         | BLM                    | SAINT BARTHELEMY                          | An island in the Caribbean sea, between Saint Martin and Saint Kitts and Nevis. (NCI)  | Saint Barthelemy                |
| C16372         | BLR                    | BELARUS                                   | A country in Eastern Europe, east of Poland. (NCI)   | Belarus                         |
| C16331         | BLZ                    | BELIZE                                    | A country in Central America, bordering the Caribbean Sea, between Guatemala and Mexico. (NCI)   | Belize                          |
| C16334         | BMU                    | BERMUDA                                   | A group of islands in the North Atlantic Ocean, east of South Carolina. (NCI)  | Bermuda                         |
| C16359         | BOL                    | BOLIVIA;BOLIVIA, PLURINATIONAL STATE OF   | A country in Central South America, southwest of Brazil. (NCI)   | Bolivia, Plurinational State of |
| C16364         | BRA                    | BRAZIL                                    | A country in Eastern South America, bordering the Atlantic Ocean. (NCI)  | Brazil                          |
| C16324         | BRB                    | BARBADOS                                  | An island between the Caribbean Sea and the North Atlantic Ocean, northeast of Venezuela. (NCI)  | Barbados                        |
| C16367         | BRN                    | BRUNEI;BRUNEI DARUSSALAM                  | A country in Southeastern Asia, bordering the South China Sea and Malaysia. (NCI)  | Brunei Darussalam               |
| C16336         | BTN                    | BHUTAN                                    | A country in Southern Asia, between China and India. (NCI)   | Bhutan                          |
| C20104         | BVT                    | BOUVET ISLAND                             | An island in the South Atlantic Ocean, south-southwest of the Cape of Good Hope (South Africa). (NCI)  | Bouvet Island                   |
| C16363         | BWA                    | BOTSWANA                                  | A country in Southern Africa, north of South Africa. (NCI)   | Botswana                        |
| C16409         | CAF                    | CENTRAL AFRICAN REPUBLIC                  | A country in Central Africa, north of Democratic Republic of the Congo. (NCI)  | Central African Republic        |
| C16380         | CAN                    | CANADA                                    | A country in Northern North America, bordering the North Atlantic Ocean on the east, North Pacific Ocean on the west, and the Arctic Ocean on the north, north of the conterminous US. (NCI) | Canada                          |
| C16445         | CCK                    | COCOS (KEELING) ISLANDS                   | A group of islands in the Indian Ocean, south of Indonesia, about halfway from Australia to Sri Lanka. (NCI)   | Cocos (Keeling) Islands         |
| C17181         | CHE                    | SWITZERLAND                               | A country in Central Europe, east of France, north of Italy. (NCI)   | Switzerland                     |
| C16427         | CHL                    | CHILE                                     | A country in Southern South America, bordering the South Atlantic Ocean and South Pacific Ocean, between Argentina and Peru. (NCI)   | Chile                           |
| C16428         | CHN                    | CHINA                                     | A country in Eastern Asia, bordering the East China Sea, Korea Bay, Yellow Sea, and South China Sea, between North Korea and Vietnam. (NCI)  | China                           |
| C16762         | CIV                    | COTE D'IVOIRE                             | A country in Western Africa, bordering the North Atlantic Ocean, between Ghana and Liberia. (NCI)  | Cote d'Ivoire                   |

| C66786 COUNTRY |                        |  |   |                                       |
|----------------|------------------------|--|---|---------------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                    |
| C16379         | CMR                    | CAMEROON   | A country in Western Africa, bordering the Bight of Biafra, between Equatorial Guinea and Nigeria. (NCI)  | Cameroon                              |
| C17266         | COD                    | CONGO, THE DEMOCRATIC REPUBLIC OF;DEMOCRATIC REPUBLIC OF THE CONGO | A country in Central Africa, northeast of Angola. (NCI)   | Congo, the Democratic Republic of the |
| C16467         | COG                    | CONGO  | A country in Western Africa, bordering the South Atlantic Ocean, between Angola and Gabon. (NCI)  | Congo                                 |
| C16469         | COK                    | COOK ISLANDS   | A group of islands in the South Pacific Ocean, about one-half of the way from Hawaii to New Zealand. (NCI)  | Cook Islands                          |
| C16449         | COL                    | COLOMBIA   | A country in Northern South America, bordering the Caribbean Sea, between Panama and Venezuela, and bordering the North Pacific Ocean, between Ecuador and Panama. (NCI)        | Colombia                              |
| C16458         | COM                    | COMOROS  | A group of islands in the Mozambique Channel, about two-thirds of the way between northern Madagascar and northern Mozambique. (NCI)  | Comoros                               |
| C16382         | CPV                    | CAPE VERDE   | A group of islands in the North Atlantic Ocean, west of Senegal. (NCI)  | Cape Verde                            |
| C16470         | CRI                    | COSTA RICA   | A country in Central America, bordering both the Caribbean Sea and the North Pacific Ocean, between Nicaragua and Panama. (NCI)   | Costa Rica                            |
| C16477         | CUB                    | CUBA   | An island between the Caribbean Sea and the North Atlantic Ocean, 150 km south of Key West, Florida. (NCI)  | Cuba                                  |
| C101225        | CUW                    | CURACAO  | An island nation located in the Caribbean Sea off the coast of Venezuela. (NCI)   | Curacao                               |
| C44482         | CXR                    | CHRISTMAS ISLAND   | An Australian-administered island in the eastern Indian Ocean south of Java, Indonesia. (NCI)   | Christmas Island                      |
| C16391         | CYM                    | CAYMAN ISLANDS   | An island group in the Caribbean Sea, nearly one-half of the way from Cuba to Honduras. (NCI)   | Cayman Islands                        |
| C16480         | CYP                    | CYPRUS   | An island in the Mediterranean Sea, south of Turkey. (NCI)  | Cyprus                                |
| C17668         | CZE                    | CZECH REPUBLIC   | A country in Central Europe, southeast of Germany. (NCI)  | Czech Republic                        |
| C16636         | DEU                    | GERMANY  | A country in Central Europe, bordering the Baltic Sea and the North Sea, between the Netherlands and Poland, south of Denmark. (NCI)  | Germany                               |
| C16506         | DJI                    | DJIBOUTI   | A country in Eastern Africa, bordering the Gulf of Aden and the Red Sea, between Eritrea and Somalia. (NCI)   | Djibouti                              |
| C16519         | DMA                    | DOMINICA   | An island between the Caribbean Sea and the North Atlantic Ocean, about one-half of the way from Puerto Rico to Trinidad and Tobago. (NCI)                                      | Dominica                              |
| C16496         | DNK                    | DENMARK  | A country in Northern Europe, bordering the Baltic Sea and the North Sea, on a peninsula north of Germany (Jutland); also includes two major islands (Sjaelland and Fyn). (NCI) | Denmark                               |
| C16520         | DOM                    | DOMINICAN REPUBLIC   | A country comprising the eastern two-thirds of the island of Hispaniola, between the Caribbean Sea and the North Atlantic Ocean, east of Haiti. (NCI)                           | Dominican Republic                    |
| C16274         | DZA                    | ALGERIA  | A country in Northern Africa, bordering the Mediterranean Sea, between Morocco and Tunisia. (NCI)   | Algeria                               |
| C16528         | ECU                    | ECUADOR  | A country in Western South America, bordering the Pacific Ocean at the Equator, between Colombia and Peru. (NCI)  | Ecuador                               |

| C66786 COUNTRY |                        |  |  |                                 |
|----------------|------------------------|--|--|---------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term              |
| C16530         | EGY                    | EGYPT  | A country in Northern Africa, bordering the Mediterranean Sea, between Libya and the Gaza Strip. (NCI)   | Egypt                           |
| C16558         | ERI                    | ERITREA                                      | A country in Eastern Africa, bordering the Red Sea, between Djibouti and Sudan. (NCI)  | Eritrea                         |
| C20113         | ESH                    | WESTERN SAHARA                               | A country in Northern Africa, bordering the North Atlantic Ocean, between Mauritania and Morocco. (NCI)  | Western Sahara                  |
| C17152         | ESP                    | SPAIN  | A country in Southwestern Europe, bordering the Bay of Biscay, Mediterranean Sea, North Atlantic Ocean, and Pyrenees Mountains, southwest of France. (NCI)   | Spain                           |
| C16562         | EST                    | ESTONIA                                      | A country in Eastern Europe, bordering the Baltic Sea and Gulf of Finland, between Latvia and Russia. (NCI)  | Estonia                         |
| C16563         | ETH                    | ETHIOPIA                                     | A country in Eastern Africa, west of Somalia. (NCI)  | Ethiopia                        |
| C16584         | FIN                    | FINLAND                                      | A country in Northern Europe, bordering the Baltic Sea, Gulf of Bothnia, and Gulf of Finland, between Sweden and Russia. (NCI)   | Finland                         |
| C16582         | FJI                    | FIJI   | An island group in the South Pacific Ocean, about two-thirds of the way from Hawaii to New Zealand. (NCI)  | Fiji                            |
| C17954         | FLK                    | FALKLAND ISLANDS;FALKLAND ISLANDS (MALVINAS) | Islands in the South Atlantic Ocean, east of southern Argentina. (NCI)   | Falkland Islands (Malvinas)     |
| C16592         | FRA                    | FRANCE                                       | A country in Western Europe, bordering the Bay of Biscay and English Channel, between Belgium and Spain, southeast of the UK; bordering the Mediterranean Sea, between Italy and Spain. (NCI)  | France                          |
| C16573         | FRO                    | FAROE ISLANDS                                | An island group between the Norwegian Sea and the North Atlantic Ocean, about one-half of the way from Iceland to Norway. (NCI)  | Faroe Islands                   |
| C17881         | FSM                    | MICRONESIA, FEDERATED STATES OF              | An island group in the North Pacific Ocean, about three-quarters of the way from Hawaii to Indonesia. (NCI)  | Micronesia, Federated States of |
| C16596         | GAB                    | GABON  | A country in Western Africa, bordering the Atlantic Ocean at the Equator, between Republic of the Congo and Equatorial Guinea. (NCI)   | Gabon                           |
| C17233         | GBR                    | UNITED KINGDOM                               | A country in Western Europe, comprising islands, including the northern one-sixth of the island of Ireland, between the North Atlantic Ocean and the North Sea, northwest of France. (NCI)   | United Kingdom                  |
| C16634         | GEO                    | GEORGIA                                      | A country in Southwestern Asia, bordering the Black Sea, between Turkey and Russia. (NCI)  | Georgia (Republic)              |
| C64375         | GGY                    | GUERNSEY                                     | The island of Guernsey and the other Channel Islands represent the last remnants of the medieval Dukedom of Normandy, which held sway in both France and England. Guernsey is a British crown dependency, but is not part of the UK. (NCI) | Guernsey                        |
| C26330         | GHA                    | GHANA  | A country in Western Africa, bordering the Gulf of Guinea, between Cote d'Ivoire and Togo. (NCI)   | Ghana                           |
| C16638         | GIB                    | GIBRALTAR                                    | A dependency in Southwestern Europe, bordering the Strait of Gibraltar, on the southern coast of Spain. (NCI)  | Gibraltar                       |
| C16655         | GIN                    | GUINEA                                       | A country in Western Africa, bordering the North Atlantic Ocean, between Guinea-Bissau and Sierra Leone. (NCI)   | Guinea                          |
| C16651         | GLP                    | GUADELOUPE                                   | Islands in the eastern Caribbean Sea, southeast of Puerto Rico. (NCI)  | Guadeloupe                      |
| C16598         | GMB                    | GAMBIA                                       | A country in Western Africa, bordering the North Atlantic Ocean and Senegal. (NCI)   | The Gambia                      |



| C66786 COUNTRY |                        |                                   |  |                                   |
|----------------|------------------------|-----------------------------------|--|-----------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                     | CDISC Definition   | NCI Preferred Term                |
| C16656         | GNB                    | GUINEA-BISSAU                     | A country in Western Africa, bordering the North Atlantic Ocean, between Guinea and Senegal. (NCI)   | Guinea-Bissau                     |
| C16557         | GNQ                    | EQUATORIAL GUINEA                 | A country in Western Africa, bordering the Bight of Biafra, between Cameroon and Gabon; composed of a mainland portion and five inhabited islands. (NCI)                   | Equatorial Guinea                 |
| C16645         | GRC                    | GREECE                            | A country in Southern Europe, bordering the Aegean Sea, Ionian Sea, and the Mediterranean Sea, between Albania and Turkey. (NCI)   | Greece                            |
| C16647         | GRD                    | GRENADA                           | An island between the Caribbean Sea and Atlantic Ocean, north of Trinidad and Tobago. (NCI)  | Grenada                           |
| C16646         | GRL                    | GREENLAND                         | An island between the Arctic Ocean and the North Atlantic Ocean, northeast of Canada. (NCI)  | Greenland                         |
| C16654         | GTM                    | GUATEMALA                         | A country in Central America, bordering the Caribbean Sea, between Honduras and Belize and bordering the North Pacific Ocean, between El Salvador and Mexico. (NCI)        | Guatemala                         |
| C16593         | GUF                    | FRENCH GUIANA                     | A country in Northern South America, bordering the North Atlantic Ocean, between Brazil and Suriname. (NCI)  | French Guiana                     |
| C16652         | GUM                    | GUAM                              | Island in the North Pacific Ocean, about three-quarters of the way from Hawaii to the Philippines. (NCI)   | Guam                              |
| C16657         | GUY                    | GUYANA                            | A country in Northern South America, bordering the North Atlantic Ocean, between Suriname and Venezuela. (NCI)   | Guyana                            |
| C16695         | HKG                    | HONG KONG                         | A special administrative region of China, bordering the South China Sea and China. (NCI)   | Hong Kong                         |
| C20106         | HMD                    | HEARD ISLAND AND MCDONALD ISLANDS | Islands in the Indian Ocean, about two-thirds of the way from Madagascar to Antarctica. (NCI)  | Heard Island and McDonald Islands |
| C16694         | HND                    | HONDURAS                          | A country in Central America, bordering the Caribbean Sea, between Guatemala and Nicaragua and bordering the North Pacific Ocean, between El Salvador and Nicaragua. (NCI) | Honduras                          |
| C16474         | HRV                    | CROATIA                           | A country in Southeastern Europe, bordering the Adriatic Sea, between Bosnia and Herzegovina and Slovenia. (NCI)   | Croatia                           |
| C16660         | HTI                    | HAITI                             | A country comprising the western one-third of the island of Hispaniola, between the Caribbean Sea and the North Atlantic Ocean, west of the Dominican Republic. (NCI)      | Haiti                             |
| C16699         | HUN                    | HUNGARY                           | A country in Central Europe, northwest of Romania. (NCI)   | Hungary                           |
| C16728         | IDN                    | INDONESIA                         | A country in Southeastern Asia, comprising the archipelago between the Indian Ocean and the Pacific Ocean. (NCI)   | Indonesia                         |
| C44480         | IMN                    | ISLE OF MAN                       | An island in the Irish Sea, between Great Britain and Ireland. (NCI)   | Isle of Man                       |
| C16727         | IND                    | INDIA                             | A country in Southern Asia, bordering the Arabian Sea and the Bay of Bengal, between Burma and Pakistan. (NCI)   | India                             |
| C16365         | IOT                    | BRITISH INDIAN OCEAN TERRITORY    | An archipelago in the Indian Ocean, about one-half the way from Africa to Indonesia. (NCI)   | British Indian Ocean Territory    |
| C16757         | IRL                    | IRELAND                           | A country in Western Europe, occupying five-sixths of the island of Ireland in the North Atlantic Ocean, west of Great Britain. (NCI)                                      | Ireland                           |
| C16755         | IRN                    | IRAN                              | A country in the Middle East, bordering the Gulf of Oman, the Persian Gulf, and the Caspian Sea, between Iraq and Pakistan. (NCI)  | Iran, Islamic Republic of         |

| C66786 COUNTRY |                        |                                  |  |                                  |
|----------------|------------------------|----------------------------------|--|----------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                    | CDISC Definition   | NCI Preferred Term               |
| C16756         | IRQ                    | IRAQ                             | A country in the Middle East, bordering the Persian Gulf, between Iran and Kuwait. (NCI)   | Iraq                             |
| C16704         | ISL                    | ICELAND                          | A country in Northern Europe, island between the Greenland Sea and the North Atlantic Ocean, northwest of the UK. (NCI)  | Iceland                          |
| C16760         | ISR                    | ISRAEL                           | A country in the Middle East, bordering the Mediterranean Sea, between Egypt and Lebanon. (NCI)  | Israel                           |
| C16761         | ITA                    | ITALY                            | A country in Southern Europe, occupying a peninsula extending into the central Mediterranean Sea, northeast of Tunisia. (NCI)  | Italy                            |
| C16763         | JAM                    | JAMAICA                          | An island in the Caribbean Sea, south of Cuba. (NCI)   | Jamaica                          |
| C64374         | JEY                    | JERSEY                           | Jersey and the other Channel Islands represent the last remnants of the medieval Dukedom of Normandy that held sway in both France and England. Jersey is a British crown dependency, but is not part of the UK. (NCI) | Jersey                           |
| C16765         | JOR                    | JORDAN                           | A country in the Middle East, northwest of Saudi Arabia. (NCI)   | Jordan                           |
| C16764         | JPN                    | JAPAN                            | A country in Eastern Asia, occupying an island chain between the North Pacific Ocean and the Sea of Japan, east of the Korean Peninsula. (NCI)   | Japan                            |
| C20107         | KAZ                    | KAZAKHSTAN                       | A country in Central Asia, northwest of China. (NCI)   | Kazakhstan                       |
| C16769         | KEN                    | KENYA                            | A country in Eastern Africa, bordering the Indian Ocean, between Somalia and Tanzania. (NCI)   | Kenya                            |
| C16771         | KGZ                    | KYRGYZSTAN                       | A country in Central Asia, west of China. (NCI)  | Kyrgyzstan                       |
| C16378         | KHM                    | CAMBODIA                         | A country in Southeastern Asia, bordering the Gulf of Thailand, between Thailand, Vietnam, and Laos. (NCI)   | Cambodia                         |
| C16639         | KIR                    | KIRIBATI                         | A group of 33 coral atolls in the Pacific Ocean, straddling the equator; the capital Tarawa is about one-half of the way from Hawaii to Australia. (NCI)   | Kiribati                         |
| C17885         | KNA                    | SAINT KITTS AND NEVIS            | Islands in the Caribbean Sea, about one-third of the way from Puerto Rico to Trinidad and Tobago. (NCI)  | Saint Kitts and Nevis            |
| C16774         | KOR                    | KOREA, REPUBLIC OF; SOUTH KOREA  | A country in Eastern Asia, occupying the southern half of the Korean Peninsula, bordering the Sea of Japan and the Yellow Sea. (NCI)   | Korea, Republic of               |
| C16775         | KWT                    | KUWAIT                           | A country in the Middle East, bordering the Persian Gulf, between Iraq and Saudi Arabia. (NCI)   | Kuwait                           |
| C16780         | LAO                    | LAO PEOPLE'S DEMOCRATIC REPUBLIC | A country in Southeastern Asia, northeast of Thailand, west of Vietnam. (NCI)  | Lao People's Democratic Republic |
| C16784         | LBN                    | LEBANON                          | A country in the Middle East, bordering the Mediterranean Sea, between Israel and Syria. (NCI)   | Lebanon                          |
| C16791         | LBR                    | LIBERIA                          | A country in Western Africa, bordering the North Atlantic Ocean, between Cote d'Ivoire and Sierra Leone. (NCI)   | Liberia                          |
| C16793         | LBY                    | LIBYA                            | A country in Northern Africa, bordering the Mediterranean Sea, between Egypt and Tunisia. (NCI)  | Libya                            |
| C17113         | LCA                    | SAINT LUCIA                      | A country in the Caribbean, occupying an island between the Caribbean Sea and North Atlantic Ocean, north of Trinidad and Tobago. (NCI)  | Saint Lucia                      |
| C16794         | LIE                    | LIECHTENSTEIN                    | A country in Central Europe, between Austria and Switzerland. (NCI)  | Liechtenstein                    |

| C66786 COUNTRY |                        |  |  |  |
|----------------|------------------------|--|--|--|
| NCI Code       | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                         |
| C17163         | LKA                    | SRI LANKA  | A country in Southern Asia, occupying an island in the Indian Ocean, south of India. (NCI)   | Sri Lanka                                  |
| C16787         | LSO                    | LESOTHO  | A country in Southern Africa, an enclave of South Africa. (NCI)  | Lesotho                                    |
| C16799         | LTU                    | LITHUANIA  | A country in Eastern Europe, bordering the Baltic Sea, between Latvia and Russia. (NCI)  | Lithuania                                  |
| C16803         | LUX                    | LUXEMBOURG   | A country in Western Europe, between France, Belgium, and Germany. (NCI)   | Luxembourg                                 |
| C16783         | LVA                    | LATVIA   | A country in Eastern Europe, bordering the Baltic Sea, between Estonia and Lithuania. (NCI)  | Latvia                                     |
| C16807         | MAC                    | MACAO  | A country in Eastern Asia, bordering the South China Sea and China. (NCI)  | Macau                                      |
| C83610         | MAF                    | SAINT MARTIN (FRENCH PART);SAINT MARTIN, FRENCH                  | An island in the Caribbean sea, between Anguilla and Saint Barthelemy. (NCI)   | Saint Martin (French Part)                 |
| C16878         | MAR                    | MOROCCO  | A country in Northern Africa, bordering the North Atlantic Ocean and the Mediterranean Sea, between Algeria and Western Sahara. (NCI)  | Morocco                                    |
| C16874         | MCO                    | MONACO   | A country in Western Europe, bordering the Mediterranean Sea on the southern coast of France, near the border with Italy. (NCI)  | Monaco                                     |
| C16871         | MDA                    | MOLDOVA, REPUBLIC OF   | A country in Eastern Europe, northeast of Romania. (NCI)   | Moldova, Republic of                       |
| C16808         | MDG                    | MADAGASCAR   | A country in Southern Africa, occupying an island in the Indian Ocean, east of Mozambique. (NCI)   | Madagascar                                 |
| C16815         | MDV                    | MALDIVES   | A country in Southern Asia, occupying a group of atolls in the Indian Ocean, south-southwest of India. (NCI)   | Maldives                                   |
| C16850         | MEX                    | MEXICO   | A country in Central America, bordering the Caribbean Sea and the Gulf of Mexico, between Belize and the US and bordering the North Pacific Ocean, between Guatemala and the US. (NCI)       | Mexico                                     |
| C16822         | MHL                    | MARSHALL ISLANDS   | A group of atolls and reefs in the North Pacific Ocean, about one-half of the way from Hawaii to Australia. (NCI)  | Marshall Islands                           |
| C17654         | MKD                    | MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF;REPUBLIC OF MACEDONIA | A country in Southeastern Europe, north of Greece. (NCI)   | Macedonia, the Former Yugoslav Republic of |
| C16816         | MLI                    | MALI   | A country in Western Africa, southwest of Algeria. (NCI)   | Mali                                       |
| C16817         | MLT                    | MALTA  | A country in Southern Europe, occupying islands in the Mediterranean Sea, south of Sicily (Italy). (NCI)   | Malta                                      |
| C16370         | MMR                    | MYANMAR  | A country in Southeastern Asia, bordering the Andaman Sea and the Bay of Bengal, between Bangladesh and Thailand. (NCI)  | Myanmar                                    |
| C64378         | MNE                    | MONTENEGRO   | A republic in Southeastern Europe, bordering the Adriatic Sea, between Albania and Bosnia and Herzegovina. Formerly part of Serbia and Montenegro (Federation Republic of Yugoslavia). (NCI) | Montenegro                                 |
| C16875         | MNG                    | MONGOLIA   | A country in Northern Asia, between China and Russia. (NCI)  | Mongolia                                   |
| C17882         | MNP                    | NORTHERN MARIANA ISLANDS   | A country in the Pacific, comprising islands in the North Pacific Ocean, about three-quarters of the way from Hawaii to the Philippines. (NCI)   | Northern Mariana Islands                   |
| C16882         | MOZ                    | MOZAMBIQUE   | A country in Southern Africa, bordering the Mozambique Channel, between South Africa and Tanzania. (NCI)   | Mozambique                                 |
| C16826         | MRT                    | MAURITANIA   | A country in Northern Africa, bordering the North Atlantic Ocean, between Senegal and Western Sahara. (NCI)  | Mauritania                                 |

| C66786 COUNTRY |                        |                |  |                    |
|----------------|------------------------|----------------|--|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term |
| C16876         | MSR                    | MONTSERRAT     | A country in the Caribbean, occupying an island in the Caribbean Sea, southeast of Puerto Rico. (NCI)  | Montserrat         |
| C16823         | MTQ                    | MARTINIQUE     | An island in the Caribbean Sea, north of Trinidad and Tobago. (NCI)  | Martinique         |
| C16827         | MUS                    | MAURITIUS      | A country in Southern Africa, occupying an island in the Indian Ocean, east of Madagascar. (NCI)   | Mauritius          |
| C16813         | MWI                    | MALAWI         | A country in Southern Africa, east of Zambia. (NCI)  | Malawi             |
| C16814         | MYS                    | MALAYSIA       | A country in Southeastern Asia, occupying a peninsula and the northern one-third of the island of Borneo, bordering Indonesia and the South China Sea, south of Vietnam. (NCI) | Malaysia           |
| C16828         | MYT                    | MAYOTTE        | A country in Southern Africa, occupying an island in the Mozambique Channel, about one-half of the way from northern Madagascar to northern Mozambique. (NCI)                  | Mayotte            |
| C16891         | NAM                    | NAMIBIA        | A country in Southern Africa, bordering the South Atlantic Ocean, between Angola and South Africa. (NCI)   | Namibia            |
| C16913         | NCL                    | NEW CALEDONIA  | A country in the Pacific, comprised of islands in the South Pacific Ocean, east of Australia. (NCI)  | New Caledonia      |
| C16916         | NER                    | NIGER          | A country in Western Africa, southeast of Algeria. (NCI)   | Niger              |
| C16919         | NFK                    | NORFOLK ISLAND | A country in the Pacific, occupying an island in the South Pacific Ocean, east of Australia. (NCI)   | Norfolk Island     |
| C16917         | NGA                    | NIGERIA        | A country in Western Africa, bordering the Gulf of Guinea, between Benin and Cameroon. (NCI)   | Nigeria            |
| C16915         | NIC                    | NICARAGUA      | A country in Central America, bordering both the Caribbean Sea and the North Pacific Ocean, between Costa Rica and Honduras. (NCI)   | Nicaragua          |
| C16918         | NIU                    | NIUE           | A country in the Pacific, occupying an island in the South Pacific Ocean, east of Tonga. (NCI)   | Niue               |
| C16903         | NLD                    | NETHERLANDS    | A country in Western Europe, bordering the North Sea, between Belgium and Germany. (NCI)   | Netherlands        |
| C16920         | NOR                    | NORWAY         | A country in Northern Europe, bordering the North Sea and the North Atlantic Ocean, west of Sweden. (NCI)  | Norway             |
| C16901         | NPL                    | NEPAL          | A country in Southern Asia, between China and India. (NCI)   | Nepal              |
| C16896         | NRU                    | NAURU          | A country in Oceania, occupying an island in the South Pacific Ocean, south of the Marshall Islands. (NCI)   | Nauru              |
| C16914         | NZL                    | NEW ZEALAND    | A country in the Pacific, comprised of islands in the South Pacific Ocean, southeast of Australia. (NCI)   | New Zealand        |
| C16933         | OMN                    | OMAN           | A country in the Middle East, bordering the Arabian Sea, Gulf of Oman, and Persian Gulf, between Yemen and the United Arab Emirates. (NCI)                                     | Oman               |
| C16949         | PAK                    | PAKISTAN       | A country in Southern Asia, bordering the Arabian Sea, between India on the east and Iran and Afghanistan on the west and China in the north. (NCI)                            | Pakistan           |
| C16951         | PAN                    | PANAMA         | A country in Central America, bordering both the Caribbean Sea and the North Pacific Ocean, between Colombia and Costa Rica. (NCI)   | Panama             |
| C16993         | PCN                    | PITCAIRN       | A country in the Pacific, comprised of islands in the South Pacific Ocean, about midway between Peru and New Zealand. (NCI)  | Pitcairn           |

| C66786 COUNTRY |                        |  |   |  |
|----------------|------------------------|--|---|--|
| NCI Code       | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                           |
| C16972         | PER                    | PERU   | A country in Western South America, bordering the South Pacific Ocean, between Chile and Ecuador. (NCI)   | Peru   |
| C16978         | PHL                    | PHILIPPINES  | A country in Southeastern Asia, comprised of an archipelago between the Philippine Sea and the South China Sea, east of Vietnam. (NCI)  | Philippines                                  |
| C17733         | PLW                    | PALAU  | A country in the Pacific, comprising a group of islands in the North Pacific Ocean, southeast of the Philippines. (NCI)   | Palau  |
| C16952         | PNG                    | PAPUA NEW GUINEA   | A country in Southeastern Asia, comprising a group of islands and including the eastern half of the island of New Guinea, between the Coral Sea and the South Pacific Ocean, east of Indonesia. (NCI) | Papua New Guinea                             |
| C17002         | POL                    | POLAND   | A country in Central Europe, east of Germany. (NCI)   | Poland                                       |
| C17043         | PRI                    | PUERTO RICO  | An island between the Caribbean Sea and the North Atlantic Ocean, east of the Dominican Republic. (NCI)   | Puerto Rico                                  |
| C16773         | PRK                    | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF; NORTH KOREA        | A country in Eastern Asia, occupying the northern half of the Korean Peninsula, bordering the Korea Bay and the Sea of Japan, between China and South Korea. (NCI)                                    | Korea, Democratic People's Republic of       |
| C17006         | PRT                    | PORTUGAL   | A country in Southwestern Europe, bordering the North Atlantic Ocean, west of Spain. (NCI)  | Portugal                                     |
| C16953         | PRY                    | PARAGUAY   | A country in Central South America, northeast of Argentina. (NCI)   | Paraguay                                     |
| C20110         | PSE                    | PALESTINIAN TERRITORY, OCCUPIED                            | A collective name for the West Bank and the Gaza Strip, two territories in Palestine. (NCI)   | Palestinian Territory, Occupied              |
| C16594         | PYF                    | FRENCH POLYNESIA   | An archipelago in the South Pacific Ocean, about one-half of the way from South America to Australia. (NCI)   | French Polynesia                             |
| C17045         | QAT                    | QATAR  | A country in the Middle East, occupying a peninsula bordering the Persian Gulf and Saudi Arabia. (NCI)  | Qatar  |
| C17095         | REU                    | REUNION  | A country in Southern Africa, occupying an island in the Indian Ocean, east of Madagascar. (NCI)  | Reunion                                      |
| C17108         | ROU                    | ROMANIA  | A country in Southeastern Europe, bordering the Black Sea, between Bulgaria and Ukraine. (NCI)  | Romania                                      |
| C17111         | RUS                    | RUSSIAN FEDERATION   | A country in Northern Asia (that part west of the Urals is sometimes included with Europe), bordering the Arctic Ocean, between Europe and the North Pacific Ocean. (NCI)                             | Russian Federation                           |
| C17112         | RWA                    | RWANDA   | A country in Central Africa, east of Democratic Republic of the Congo. (NCI)  | Rwanda                                       |
| C17117         | SAU                    | SAUDI ARABIA   | A country in the Middle East, bordering the Persian Gulf and the Red Sea, north of Yemen. (NCI)   | Saudi Arabia                                 |
| C17170         | SDN                    | SUDAN  | A country in Northern Africa, bordering the Red Sea, between Egypt and Eritrea. (NCI)   | Sudan  |
| C17121         | SEN                    | SENEGAL  | A country in Western Africa, bordering the North Atlantic Ocean, between Guinea-Bissau and Mauritania. (NCI)  | Senegal                                      |
| C17134         | SGP                    | SINGAPORE  | A country in Southeastern Asia, comprised of islands between Malaysia and Indonesia. (NCI)  | Singapore                                    |
| C20111         | SGS                    | SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS               | A group of islands in the South Atlantic Ocean, east of the tip of South America. (NCI)   | South Georgia and the South Sandwich Islands |
| C17164         | SHN                    | SAINT HELENA; SAINT HELENA, ASCENSION AND TRISTAN DA CUNHA | Islands in the South Atlantic Ocean, about midway between South America and Africa. (NCI)   | Saint Helena, Ascension and Tristan da Cunha |

| C66786 COUNTRY |                        |  |  |                           |
|----------------|------------------------|--|--|---------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                                  | CDISC Definition   | NCI Preferred Term        |
| C17178         | SJM                    | SVALBARD AND JAN MAYEN                         | Islands between the Arctic Ocean, Barents Sea, Greenland Sea, and Norwegian Sea, northeast of Iceland and north of Norway. (NCI)   | Svalbard and Jan Mayen    |
| C17148         | SLB                    | SOLOMON ISLANDS                                | A group of islands in the South Pacific Ocean, east of Papua New Guinea. (NCI)   | Solomon Islands           |
| C17130         | SLE                    | SIERRA LEONE                                   | A country in Western Africa, bordering the North Atlantic Ocean, between Guinea and Liberia. (NCI)   | Sierra Leone              |
| C16532         | SLV                    | EL SALVADOR                                    | A country in Central America, bordering the North Pacific Ocean, between Guatemala and Honduras. (NCI)   | El Salvador               |
| C17115         | SMR                    | SAN MARINO                                     | A country in Southern Europe, an enclave in central Italy. (NCI)   | San Marino                |
| C17149         | SOM                    | SOMALIA  | A country in Eastern Africa, bordering the Gulf of Aden and the Indian Ocean, east of Ethiopia. (NCI)  | Somalia                   |
| C17165         | SPM                    | SAINT PIERRE AND MIQUELON                      | A country in Northern North America, comprised of islands in the North Atlantic Ocean, south of Newfoundland (Canada). (NCI)   | Saint Pierre and Miquelon |
| C64377         | SRB                    | SERBIA   | A republic in Southeastern Europe, bordering the Adriatic Sea, between Albania and Bosnia and Herzegovina. Formerly part of Serbia and Montenegro (Federation Republic of Yugoslavia). (NCI) | Serbia                    |
| C97351         | SSD                    | SOUTH SUDAN                                    | A northeastern African country located in the Sahel region and bordered by Sudan in the north, Uganda and Kenya in the south and Ethiopia in the west. (NCI)                                 | South Sudan               |
| C17116         | STP                    | SAO TOME AND PRINCIPE                          | A country in Western Africa, comprised of islands in the Gulf of Guinea, straddling the Equator, west of Gabon. (NCI)  | Sao Tome and Principe     |
| C17175         | SUR                    | SURINAME                                       | A country in Northern South America, bordering the North Atlantic Ocean, between French Guiana and Guyana. (NCI)   | Suriname                  |
| C17669         | SVK                    | SLOVAKIA                                       | A country in Central Europe, south of Poland. (NCI)  | Slovakia                  |
| C17138         | SVN                    | SLOVENIA                                       | A country in Central Europe, bordering the Adriatic Sea, between Austria and Croatia. (NCI)  | Slovenia                  |
| C17180         | SWE                    | SWEDEN   | A country in Northern Europe, bordering the Baltic Sea, Gulf of Bothnia, Kattegat, and Skagerrak, between Finland and Norway. (NCI)  | Sweden                    |
| C17179         | SWZ                    | SWAZILAND                                      | A country in Southern Africa, between Mozambique and South Africa. (NCI)   | Swaziland                 |
| C101226        | SXM                    | SINT MAARTEN (DUTCH PART);SINT MAARTEN (DUTCH) | The southern portion of an island in the Caribbean sea, between Anguilla and Saint Barthelemy. (NCI)   | Sint Maarten (Dutch Part) |
| C17129         | SYC                    | SEYCHELLES                                     | A country in Eastern Africa, comprised of a group of islands in the Indian Ocean, northeast of Madagascar. (NCI)   | Seychelles                |
| C17182         | SYR                    | SYRIAN ARAB REPUBLIC                           | A country in the Middle East, bordering the Mediterranean Sea, between Lebanon and Turkey. (NCI)   | Syrian Arab Republic      |
| C17224         | TCA                    | TURKS AND CAICOS ISLANDS                       | Two island groups in the North Atlantic Ocean, southeast of The Bahamas. (NCI)   | Turks and Caicos Islands  |
| C16412         | TCD                    | CHAD   | A country in Central Africa, south of Libya. (NCI)   | Chad                      |
| C17202         | TGO                    | TOGO   | A country in Western Africa, bordering the Bight of Benin, between Benin and Ghana. (NCI)  | Togo                      |
| C17192         | THA                    | THAILAND                                       | A country in Southeastern Asia, bordering the Andaman Sea and the Gulf of Thailand, southeast of Burma. (NCI)  | Thailand                  |
| C17183         | TJK                    | TAJIKISTAN                                     | A country in Central Asia, west of China. (NCI)  | Tajikistan                |

| C66786 COUNTRY |                        |  |  |                                      |
|----------------|------------------------|--|--|--------------------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term                   |
| C17704         | TKL                    | TOKELAU                                      | A group of three atolls in the South Pacific Ocean, about one-half of the way from Hawaii to New Zealand. (NCI)  | Tokelau                              |
| C17223         | TKM                    | TURKMENISTAN                                 | A country in Central Asia, bordering the Caspian Sea, between Iran and Kazakhstan. (NCI)   | Turkmenistan                         |
| C17200         | TLS                    | TIMOR-LESTE                                  | A country in Southeastern Asia, northwest of Australia in the Lesser Sunda Islands at the eastern end of the Indonesian archipelago. East Timor includes the eastern half of the island of Timor, the Oecussi (Ambeno) region on the northwest portion of the island of Timor, and the islands of Pulau Atauro and Pulau Jaco. (NCI) | Timor-Leste                          |
| C17205         | TON                    | TONGA  | An archipelago in the South Pacific Ocean, about two-thirds of the way from Hawaii to New Zealand. (NCI)   | Tonga                                |
| C17217         | TTO                    | TRINIDAD AND TOBAGO                          | Islands between the Caribbean Sea and the North Atlantic Ocean, northeast of Venezuela. (NCI)  | Trinidad and Tobago                  |
| C17221         | TUN                    | TUNISIA                                      | A country in Northern Africa, bordering the Mediterranean Sea, between Algeria and Libya. (NCI)  | Tunisia                              |
| C17222         | TUR                    | TURKEY                                       | A country in southeastern Europe and southwestern Asia (that portion of Turkey west of the Bosphorus is geographically part of Europe), bordering the Black Sea, between Bulgaria and Georgia, and bordering the Aegean Sea and the Mediterranean Sea, between Greece and Syria. (NCI)   | Turkey                               |
| C17225         | TUV                    | TUVALU                                       | An island group consisting of nine coral atolls in the South Pacific Ocean, about one-half of the way from Hawaii to Australia. (NCI)  | Tuvalu                               |
| C17184         | TWN                    | TAIWAN                                       | A group of islands bordering the East China Sea, Philippine Sea, South China Sea, and Taiwan Strait, north of the Philippines, off the southeastern coast of China. (NCI)  | Taiwan                               |
| C17185         | TZA                    | TANZANIA, UNITED REPUBLIC OF                 | A country in Eastern Africa, bordering the Indian Ocean, between Kenya and Mozambique. (NCI)   | Tanzania, United Republic of         |
| C17228         | UGA                    | UGANDA                                       | A country in Eastern Africa, west of Kenya. (NCI)  | Uganda                               |
| C17229         | UKR                    | UKRAINE                                      | A country in Eastern Europe, bordering the Black Sea, between Poland and Russia. (NCI)   | Ukraine                              |
| C20112         | UMI                    | UNITED STATES MINOR OUTLYING ISLANDS         | The U.S. Minor Outlying Islands consist of Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Island, Navassa Island, Palmyra Atoll, and Wake Island (Wake Atoll). (NCI)  | United States Minor Outlying Islands |
| C17244         | URY                    | URUGUAY                                      | A country in Southern South America, bordering the South Atlantic Ocean, between Argentina and Brazil. (NCI)   | Uruguay                              |
| C17234         | USA                    | UNITED STATES                                | A country in North America, bordering both the North Atlantic Ocean and the North Pacific Ocean, between Canada and Mexico. (NCI)  | United States                        |
| C17246         | UZB                    | UZBEKISTAN                                   | A country in Central Asia, north of Afghanistan. (NCI)   | Uzbekistan                           |
| C17249         | VAT                    | VATICAN CITY STATE                           | An enclave of Rome (Italy). (NCI)  | Holy See (Vatican City State)        |
| C17114         | VCT                    | SAINT VINCENT AND THE GRENADINES             | A country in the Caribbean, comprised of islands in the Caribbean Sea, north of Trinidad and Tobago. (NCI)   | Saint Vincent and the Grenadines     |
| C17250         | VEN                    | VENEZUELA; VENEZUELA, BOLIVARIAN REPUBLIC OF | A country in Northern South America, bordering the Caribbean Sea and the North Atlantic Ocean, between Colombia and Guyana. (NCI)  | Venezuela, Bolivarian Republic of    |
| C17653         | VGB                    | VIRGIN ISLANDS, BRITISH                      | Islands between the Caribbean Sea and the North Atlantic Ocean, east of Puerto Rico. (NCI)   | Virgin Islands, British              |

| C66786 COUNTRY |                        |                      |   |                      |
|----------------|------------------------|----------------------|---|----------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym        | CDISC Definition  | NCI Preferred Term   |
| C17255         | VIR                    | VIRGIN ISLANDS, U.S. | Islands between the Caribbean Sea and the North Atlantic Ocean, east of Puerto Rico. (NCI)  | Virgin Islands, U.S. |
| C17252         | VNM                    | VIET NAM;VIETNAM     | A country in Southeastern Asia, bordering the Gulf of Thailand, Gulf of Tonkin, and South China Sea, alongside China, Laos, and Cambodia. (NCI) | Viet Nam             |
| C17247         | VUT                    | VANUATU              | A group of islands in the South Pacific Ocean, about three-quarters of the way from Hawaii to Australia. (NCI)                                  | Vanuatu              |
| C17259         | WLF                    | WALLIS AND FUTUNA    | Islands in the South Pacific Ocean, about two-thirds of the way from Hawaii to New Zealand. (NCI)   | Wallis and Futuna    |
| C17740         | WSM                    | SAMOA                | A group of islands in the South Pacific Ocean, about one-half of the way from Hawaii to New Zealand. (NCI)                                      | Samoa                |
| C17264         | YEM                    | YEMEN                | A country in the Middle East, bordering the Arabian Sea, Gulf of Aden, and Red Sea, between Oman and Saudi Arabia. (NCI)                        | Yemen                |
| C17151         | ZAF                    | SOUTH AFRICA         | A country in Southern Africa, at the southern tip of the continent of Africa. (NCI)   | South Africa         |
| C17267         | ZMB                    | ZAMBIA               | A country in Southern Africa, east of Angola. (NCI)   | Zambia               |
| C17268         | ZWE                    | ZIMBABWE             | A country in Southern Africa, between South Africa and Zambia. (NCI)  | Zimbabwe             |



## CSTATE (Consciousness State)

NCI Code: C90018, Codelist extensible: Yes

| C90018 CSTATE |                        |   |  |                                    |
|---------------|------------------------|---|--|------------------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term                 |
| C88434        | CONSCIOUS              | Conscious State                         | A level of awareness that can be described as being alert. (NCI)   | Conscious State                    |
| C78253        | DEPRESSED              | Depressed Level of Consciousness        | A neurologic state characterized by decreased ability to perceive and respond. (NCI)   | Depressed Level Of Consciousness   |
| C88440        | SEMI-CONSCIOUS         | Semi-conscious State                    | A level of awareness that can be described as varied and intermittent periods of consciousness and unconsciousness.                    | Semi-conscious                     |
| C50635        | UNCONSCIOUS            | Loss of Consciousness;Unconscious State | The neurologic status characterized by the occurrence of a loss of the ability to perceive and respond.                                | Loss of Consciousness              |
| C90482        | UNSPECIFIED            | Unspecified State of Consciousness      | The state of consciousness is not controlled. The possibility exists for having multiple conscious states over a period of time. (NCI) | Unspecified State of Consciousness |

## DDTEST (Death Diagnosis Test Name)

NCI Code: C89965, Codelist extensible: No

| C89965 DDTEST |                        |                 |  |                    |
|---------------|------------------------|-----------------|--|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term |
| C81239        | Death Diagnosis        | Death Diagnosis | The circumstance or condition that results in the death of a living being. (NCI) | Cause of Death     |

## DDTESTCD (Death Diagnosis Test Code)

NCI Code: C89966, Codelist extensible: No

| C89966 DDTESTCD |                        |                 |  |                    |
|-----------------|------------------------|-----------------|--|--------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term |
| C81239          | DEATHD                 | Death Diagnosis | The circumstance or condition that results in the death of a living being. (NCI) | Cause of Death     |

## DESIGN (Study Design)

NCI Code: C89967, Codelist extensible: Yes

| C89967 DESIGN |                        |               |  |                    |
|---------------|------------------------|---------------|--|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C82637        | CROSSOVER              |               | Participants receive one of two or more alternative intervention(s) during the initial epoch of the study and receive other intervention(s) during the subsequent epoch(s) of the study.   | Crossover Study    |
| C90475        | DOSE ESCALATION        | Rising Dose   | A study in which the dosage of the test article is increased until the desired physiological effect or toxicity is seen. In some instances, the maximum dose may be pre-determined.  | Titration Study    |
| C82638        | FACTORIAL              |               | Two or more interventions, each alone and in combination, are evaluated in parallel against a control group.   | Factorial Study    |
| C90402        | LATIN SQUARE           |               | A type of crossover study in which the subject receives every treatment during the study. The treatments are administered in a prespecified order in such a way that each subject receives each treatment and each treatment is in each study phase. | Latin Square Study |
| C82639        | PARALLEL               |               | Participants are assigned to one of two or more arms in parallel for the duration of the study.  | Parallel Study     |

## DIR (Directionality)

NCI Code: C99074, Codelist extensible: Yes

| C99074 DIR |                        |               |   |                             |
|------------|------------------------|---------------|---|-----------------------------|
| NCI Code   | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term          |
| C25231     | ANTERIOR               |               | Denoting the front portion of the body or a structure.  | Anterior                    |
| C25423     | APICAL                 |               | Relating to or located at the apex.   | Apical                      |
| C90067     | BASAL                  |               | Relating to or located at the lowest portion of a structure.                                      | Basal                       |
| C73851     | CAUDAL                 |               | Toward the tail in a body.  | Caudal                      |
| C25445     | CENTRAL                |               | A point or area that is approximately central within some larger region or structure. (NCI)       | Center                      |
| C37936     | CRANIAL                |               | Toward the head in a body.  | Cranial                     |
| C25240     | DEEP                   |               | Extending relatively far inward. (NCI)  | Deep                        |
| C25237     | DISTAL                 |               | Situated farthest from a point of reference.  | Distal                      |
| C45874     | DORSAL                 |               | Pertaining to the back or upper surface of the body.  | Dorsal                      |
| C90376     | DORSOLATERAL           |               | Toward the back and side of a body.   | Dorsolateral                |
| C90386     | FORE                   |               | Of or involving the front of a main body. (NCI)   | Fore                        |
| C90393     | HIND                   |               | Of or involving the back of a main body. (NCI)  | Hind                        |
| C25353     | INFERIOR               |               | Pertaining to a point below a given reference point.  | Inferior                    |
| C37980     | INNER                  |               | Inside or closer to the inside of the body or object. (NCI)                                       | Inner                       |
| C73705     | INTERMEDIATE           |               | Located between two points or extremes.   | Intermediate                |
| C25309     | LOWER                  |               | The bottom one of two. (NCI)  | Lower                       |
| C25232     | MEDIAL                 |               | Toward the middle or in a limb toward the median plane.   | Medial                      |
| C81170     | MIDLINE                |               | A medial line, especially the medial line or medial plane of the body (or some part of the body). | Midline                     |
| C27958     | NASAL                  |               | Of, or related to, or in the direction of the nose.   | Nasal                       |
| C38166     | OUTER                  |               | Being on or toward the outside of the body or object. (NCI)                                       | Outer                       |
| C25233     | PERIPHERAL             |               | On or near an edge or constituting an outer boundary; the outer area. (NCI)                       | Peripheral                  |
| C25622     | POSTERIOR              |               | Denoting the back portion of the body or a structure.   | Posterior                   |
| C25236     | PROXIMAL               |               | Situated nearest to a point of reference.   | Proximal                    |
| C94393     | ROSTRAL                |               | Toward the muzzle in the head.  | Rostral                     |
| C25239     | SUPERFICIAL            |               | Of or pertaining to the exterior surface. (NCI)   | Superficial                 |
| C25235     | SUPERIOR               |               | Pertaining to a point above a given reference point.  | Superior                    |
| C25245     | SURFACE                |               | The extended two-dimensional outer layer or area of a three-dimensional object. (NCI)             | Surface                     |
| C117754    | TEMPORAL               |               | Of, or related to, anatomic sites that are located in the cranium, brain, and eye.                | Temporal Anatomic Qualifier |
| C90069     | TIP                    |               | The pointed end of a structure.   | Tip                         |
| C25355     | UPPER                  |               | The top one of two.   | Upper                       |
| C45875     | VENTRAL                |               | Pertaining to the front or lower surface of the body.   | Ventral                     |
| C98798     | VENTROLATERAL          |               | Of or pertaining to the front and side of a main body. (NCI)                                      | Ventrolateral               |

## DSDECOD (Standardized Disposition Term)

NCI Code: C89968, Codelist extensible: No

| C89968 DSDECOD |                          |               |  |                          |
|----------------|--------------------------|---------------|--|--------------------------|
| NCI Code       | CDISC Submission Value   | CDISC Synonym | CDISC Definition   | NCI Preferred Term       |
| C90351         | ACCIDENTAL DEATH         |               | An indication that the subject's death or sacrifice was due to a mishap or technical/operational error.  | Accidental Death         |
| C90387         | FOUND DEAD               |               | An indication that a subject was found in a deceased state. (NCI)  | Found Dead               |
| C90436         | INTERIM SACRIFICE        |               | An indication that the study subject is part of a protocol-defined set of animals that are sacrificed before the protocol-defined terminal sacrifice date. | Interim Sacrifice        |
| C96372         | MISSING                  |               | An indication that the subject could not be found, in which case, its disposition was not known, and no postmortem data was available.                     | Missing Study Animal     |
| C90425         | MORIBUND SACRIFICE       |               | An indication that a subject was euthanized due to ethical reasons, such as being near death.  | Moribund Sacrifice       |
| C123635        | NON-MORIBUND SACRIFICE   |               | An indication that a subject was euthanized due to factors not associated with the general health of the subject.  | Non-Moribund Sacrifice   |
| C90445         | RECOVERY SACRIFICE       |               | An indication that the study subject is part of a protocol-defined set of animals that are sacrificed after a protocol-defined treatment-free period.      | Recovery Sacrifice       |
| C90447         | REMOVED FROM STUDY ALIVE |               | An indication that the subject was alive when taken out of the study. (NCI)  | Removed From Study Alive |
| C90465         | TERMINAL SACRIFICE       |               | An indication that the subject was sacrificed at the end of the protocol-defined treatment or observation period.  | Terminal Sacrifice       |

## DSTRBN (Distribution)

NCI Code: C120530, Codelist extensible: Yes

| C120530 DSTRBN |                        |  |   |                    |
|----------------|------------------------|--|---|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term |
| C14175         | DIFFUSE                | Widespread<br><br>Focally Extensive;Regionally Extensive | Widely spread; not localized or confined.                                   | Diffuse            |
| C28224         | FOCAL                  |  | Limited to a specific area.   | Focal              |
| C120857        | FOCAL/MULTIFOCAL       |  | A finding that generally has features of focal and multifocal distribution. | Focal/Multifocal   |
| C120858        | LOCALLY EXTENSIVE      |  | Being widespread throughout a specific area.                                | Locally Extensive  |
| C25253         | MULTIFOCAL             |  | Arising from, pertaining to, or having many locations.                      | Multifocal         |
| C17648         | MULTIPLE               |  | More than one. (NCI)  | Multiple           |
| C48440         | SINGLE                 |  | One.  | Single             |

## EGCATSND (SEND ECG Category)

NCI Code: C90012, Codelist extensible: Yes

| C90012 EGCATSND |                        |                |   |                    |
|-----------------|------------------------|----------------|---|--------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term |
| C15220          | DIAGNOSIS              |                | The investigation, analysis and recognition of the presence and nature of disease, condition, or injury from expressed signs and symptoms; also, the scientific determination of any kind; the concise results of such an investigation. (NCI)  | Diagnosis          |
| C41255          | INTERPRETATION         | Interpretation | An act or process of elucidation; explication, or explanation of the meaning of the event or thing via the assignment of objects from the domain to the constants of a formal language, truth-values to the proposition symbols, truth-functions to the connectives, other functions to the function symbols, and extensions to the predicates, if any. The assignments are result of human logic application and are not native to the symbols of the formal language. | Interpretation     |
| C25209          | MEASUREMENT            |                | Annotation used to indicate the size or magnitude of something that was determined by comparison to a standard. (NCI)   | Measurement        |



## EGLEAD (ECG Lead)

NCI Code: C90013, Codelist extensible: Yes

| C90013 EGLEAD |                        |               |   |                        |
|---------------|------------------------|---------------|---|------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term     |
| C90403        | LEAD aV6               |               | An augmented unipolar lead placed at the sixth intercostal space on the midaxillary line. (NCI)   | Lead Site aV6          |
| C90360        | LEAD aVF               |               | An augmented unipolar electrocardiogram limb lead in which the positive (red) electrode is situated on the left pelvic limb and the negative electrode is a combination of the right thoracic limb (white) electrode and the left thoracic limb (black) electrode. Measures the electrical activity of the electrode on the left pelvic limb.                         | Augmented Vector Foot  |
| C90361        | LEAD aVL               |               | An augmented unipolar electrocardiogram limb lead in which the positive (black) electrode is situated on the left thoracic limb and the negative electrode is a combination of the right thoracic limb (white) electrode and the left pelvic limb (red) electrode. Measures the electrical activity of the electrode on the left thoracic limb. (NCI)                 | Augmented Vector Left  |
| C90362        | LEAD aVR               |               | An augmented unipolar electrocardiogram limb lead in which the positive (white) electrode is situated on the right thoracic limb and the negative electrode is a combination of the left thoracic limb (black) electrode and the left pelvic limb (red) electrode. Measures the electrical activity of the electrode on the right thoracic limb. (NCI)                | Augmented Vector Right |
| C90404        | LEAD CM5               |               | A bipolar EKG lead with the right thoracic limb electrode placed on the manubrium and left thoracic limb electrode placed at the surface marking of the V5 position (just above the 5th interspace in the anterior axillary line). The left pelvic limb lead acts as a neutral and may be placed anywhere. The C refers to 'clavicle' where it is often placed. (NCI) | Lead Site CM5          |
| C90405        | LEAD CV5RL             |               | A unipolar chest lead used mostly in large animals. Placed on the sixth ICS on the right side of the thorax along a line parallel to the level of the point of the humeralradial joint.   | Lead Site CV5RL        |
| C90406        | LEAD CV6LL             |               | V1 electrode (+) placed in the 6th intercostal space on the left side of the thorax along a line parallel to the level of the point of the humeralradial joint.   | Lead Site CV6LL        |
| C90407        | LEAD CV6LU             |               | V2 electrode (+) placed in the 6th intercostal space on the left side of the thorax along a line parallel to the level of the point of the shoulder. (NCI)  | Lead Site CV6LU        |
| C90408        | LEAD I                 |               | A bipolar electrocardiogram limb lead which records the voltage between the negative electrode on the right thoracic limb and the positive electrode on the left thoracic limb. (NCI)   | Lead Site I            |
| C90409        | LEAD II                |               | A bipolar electrocardiogram limb lead which records the voltage between the negative electrode on the right thoracic limb and the positive electrode on the left pelvic limb. (NCI)   | Lead Site II           |
| C90410        | LEAD III               |               | A bipolar electrocardiogram limb lead which records the voltage between the negative electrode on the left thoracic limb and the positive electrode on the left pelvic limb. (NCI)  | Lead Site III          |
| C90411        | LEAD rV2               |               | A unipolar precordial lead placed at the second intercostal space to the left of the sternum. (NCI)   | Lead Site rV2          |
| C90412        | LEAD V1                |               | A unipolar electrocardiogram lead site; the electrode is placed at the fourth intercostal space on the anterior chest wall (between ribs 4 and 5) to the right of the sternal border. In small animals, it is placed at the right fifth intercostal space near the sternum. (NCI)   | Lead Site V1           |
| C90413        | LEAD V10               |               | A unipolar chest lead at which the electrode is placed over the dorsal spinous process of 7th thoracic vertebra. (NCI)  | Lead Site V10          |

| C90013 EGLEAD |                        |  |  |                                   |
|---------------|------------------------|--|--|-----------------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                |
| C90414        | LEAD V2                |  | A unipolar electrocardiogram lead site; the electrode is placed on the anterior chest wall at the fourth intercostal space (between ribs 4 and 5) to the left of the sternal border. In small animals it corresponds to V2-V3 where it is placed at the 6th left intercostal space near the sternum. In large animals it is placed over the 6th rib at the level of the costochondral junction on the left side of the thorax.   | Lead Site V2                      |
| C90415        | LEAD V3                |  | A unipolar electrocardiogram lead site; the electrode is placed on the anterior chest wall midway between leads V2 and V4. In large and small animals, it is placed over the dorsal spinous process of the 7th thoracic vertebra. (NCI)  | Lead Site V3                      |
| C90416        | LEAD V4                |  | A unipolar electrocardiogram lead site; the electrode is placed at the fifth intercostal space on the anterior chest wall (between ribs 5 and 6) at the left midclavicular line. In small animals it corresponds to V4-V6 where it is placed at the 6th left intercostal space near the costochondral junction. In large animals it is placed over the 6th rib at the level of a horizontal line drawn through the scapulohumeral articulation on the left side of the thorax. (NCI) | Lead Site V4                      |
| C90417        | LEAD V5                |  | A unipolar electrocardiogram lead site; the electrode is placed on the anterior chest wall level with lead V4 at the left anterior axillary line. In large animals it is placed on the sixth ICS on the right side of the thorax along a line parallel to the level of the point of the shoulder corresponding to the electrical center of the heart (central terminal). (NCI)   | Lead Site V5                      |
| C90418        | LEAD V6                |  | A unipolar electrocardiogram lead site at which the electrode is placed on the anterior chest wall level with lead V5 at the left midaxillary line .   | Lead Site V6                      |
| C117760       | SML                    | Global Median Beat;Superimposition of Multiple Leads | Measurement methodology using multiple leads for the determination of an ECG parameter. This is often visually represented as a superimposition of the median beats from multiple leads.   | Superimposition of Multiple Leads |

## EGMETHOD (ECG Test Method)

NCI Code: C71151, Codelist extensible: Yes

| C71151 EGMETHOD |   |   |   |   |
|-----------------|---|---|---|---|
| NCI Code        | CDISC Submission Value                                      | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C90349          | 10 LEAD STANDARD  | 10 Lead Standard  | An electrocardiogram lead placement on the subject using a ten electrode lead set to synthesize standard 12 lead electrocardiograph data to elicit an electrical view of the heart.   | 10 Lead Standard  |
| C71125          | 12 LEAD 1 LEAD MISSING                                      | 12 Lead 1 Lead Missing  | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but one standard lead position is missing therefore requiring a Mortara source consistency filter. (NCI)   | 12 Lead Placement 1 Lead Missing                            |
| C71116          | 12 LEAD CABRERA   | 12 Lead Cabrera   | An electrocardiogram (ECG) lead placement whereby the display of the 12 standard ECG leads is in an orderly sequence in a single horizontal display of: aVL, I, -aVR, II, aVF, III, V1 to V6. In the Cabrera display the limb lead aVR is inverted (-aVR) to obtain the same positive leftward orientation as the other 5 limbs. (NCI)  | 12 Lead Placement Cabrera                                   |
| C123444         | 12 LEAD CONTINUOUS ECG                                      |   | A continuous electrocardiographic (ECG) recording utilizing 12 leads. The positioning of the electrodes may vary from the standard 12 lead ECG placement. Examples include but are not limited to 12 lead Holter with modified Mason-Likar lead placements, 12 lead exercise ECGs, and 12 lead telemetry systems.   | 12 Lead Continuous ECG                                      |
| C71123          | 12 LEAD EASI DOWER TRANSFORMATION                           | 12 Lead EASI Dower Transformation                             | An electrocardiogram (ECG) lead placement whereby 4 chest electrodes and 1 reference electrode are used to allow for continuous monitoring at the clinical level. This placement creates a 12 lead ECG that allows the acquisition of simultaneous events in the frontal, horizontal and sagittal heart planes with the linear transformation of vectors. This system provides a three-dimensional portrayal of the heart and uses mathematical and fixed coefficients for each lead. (NCI)                               | Lead Placement EASI Dower Transformation                    |
| C123445         | 12 LEAD ECG EXTRACTED FROM 12 LEAD CONTINUOUS ECG RECORDING |   | A standard duration (typically 10 seconds) 12 lead electrocardiogram (ECG) extracted from a 12 lead continuous ECG.   | 12 Lead ECG Extracted From 12 Lead Continuous ECG Recording |
| C71103          | 12 LEAD MASON LIKAR   | 12 Lead Mason Likar   | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the standard lead positions have been modified for ECG recording during exercise. Exercise stress testing requires moving the limb electrodes to more central positions on the thorax. The electrodes are placed in bony prominences close to the bases of the respective limbs in order to avoid skeletal muscle artifact, provide stability for recording electrodes and to record waveforms similar to the standard limb sites. (NCI) | 12 Lead Placement Mason Likar                               |
| C71110          | 12 LEAD MODIFIED MASON LIKAR                                | 12 Lead Modified Mason Likar                                  | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the Mason Likar lead positions have been modified so that V1 to V6 on the chest are part of a single electrode pad. In addition, lead CM5 is substituted for lead aVR. (NCI)   | 12 Lead Placement Mason Likar Modified                      |
| C71114          | 12 LEAD NON-STANDARD  | 12 Lead Non-Standard  | An electrocardiogram (ECG) lead placement whereby the limb leads are placed on the torso for easier and faster application in emergency situations. (NCI)   | 12 Lead Placement Non-Standard                              |
| C116139         | 12 LEAD RIGHT-SIDED PRECORDIAL LEADS                        | 12 Lead Right-sided Precordial Leads; Right-sided Chest Leads | An electrocardiogram (ECG) lead placement whereby the precordial leads are intentionally placed on the right side of the chest.   | 12 Lead Placement Right-sided Precordial Leads              |
| C71112          | 12 LEAD SINGLE PAD  | 12 Lead Single Pad  | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the standard lead positions have been modified so that all leads on the chest are part of a single electrode pad. (NCI)  | 12 Lead Placement Chest                                     |

| C71151 EGMETHOD |                                     |   |  |  |
|-----------------|-------------------------------------|---|--|--|
| NCI Code        | CDISC Submission Value              | CDISC Synonym                                       | CDISC Definition   | NCI Preferred Term                         |
| C71102          | 12 LEAD STANDARD                    | 12 Lead Standard                                    | An electrocardiogram (ECG) lead placement whereby 12 leads are recorded, with each lead representing an electrical view of the heart. The six leads recorded in the frontal plane are derived from the placement of 3 electrodes (RA or Right Arm, LA, or Left Arm, and LL or Left Leg). These bipolar frontal leads form the basis of Einthoven's triangle, and are represented by leads I, II, and III. Three other derived (or augmented) bipolar frontal vectors are also recorded on a standard 12-lead EKG, aVR, aVF, and aVL. 6 unipolar leads, corresponding to V1 - V6 measure the electrical activity in the horizontal plane. The placement for the V leads is as follows: V1: right 4th intercostal space,V2: left 4th intercostal space, V3: halfway between V2 and V4, V4: left 5th intercostal space, mid-clavicular line, V5: horizontal to V4, anterior axillary line, V6: horizontal to V5, mid-axillary line. (NCI) | 12 Lead Placement Standard                 |
| C71101          | 12 LEAD UNSPECIFIED                 | 12 Lead Unspecified                                 | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the position of the leads is unspecified. (NCI)   | 12 Lead Placement Unspecified              |
| C90350          | 6 LEAD STANDARD                     | 6 Lead Standard                                     | An electrocardiogram lead placement on the subject using a six electrode lead set with three standard leads and three augmented derived leads to elicit an electrical view of the heart.   | 6 Lead Standard                            |
| C71121          | BIPOLAR UNCORRECTED XYZ LEAD SYSTEM | Bipolar uncorrected XYZ lead system                 | An electrocardiogram (ECG) lead placement whereby the X+ lead is placed at the right mid-axillary line ate the 4th intercostal space, X- at the left mid-axillary line at he 4th intercostal space, Y+ at the proximal left leg, Y- at the superior aspect of the manubrium, Z+ at the direct posterior to Z- and Z- at the 4th intercostal space at the left sternal margin. (NCI)  | Lead Placement Bipolar Uncorrected XYZ     |
| C123446         | CONTINUOUS AMBULATORY ECG           |   | A continuous electrocardiographic (ECG) recording utilizing 1 or more leads that records and stores data directly to the device. The subject need not be restricted to a medical facility, and may be able to participate in their customary activities of daily living.   | Continuous Ambulatory ECG                  |
| C71120          | CUBE LEAD SYSTEM                    | Cube lead system                                    | An electrocardiogram (ECG) lead placement that is a type of uncorrected vectorcardiograph. This lead system is based on a rectangular body axis. It uses an extra number of electrodes to make it three-dimensional. (NCI)   | Lead Placement Cube                        |
| C71118          | FRANK LEAD SYSTEM                   | Frank lead system                                   | An electrocardiogram (ECG) lead placement for determining 3 orthogonal components X (right to left direction), Y (foot to head direction) and Z (back to front direction) of the heart. For this method a minimum of 4 electrodes are needed that represent the right arm, left arm, left leg and back. However, usually 7 electrodes are used to avoid dependence on the dipole location and facilitate interpretation. (NCI)   | Lead Placement Frank                       |
| C71119          | MCREE-PARUNGAO LEAD SYSTEM          | McFee-Parungao lead system                          | An electrocardiogram (ECG) lead placement for determining 3 orthogonal components X (back to front), Y (right to left) and Z (foot to head) of the heart. This system places the electrodes closer to the heart to achieve better orthogonality and a homogeneous lead field. (NCI)  | Lead Placement McFee-Parungao              |
| C71122          | PSEUDO-ORTHOGONAL XYZ LEAD SYSTEM   | Pseudo-orthogonal XYZ lead system                   | An electrocardiogram (ECG) lead placement that allows monitoring and recording of cardiac electrical activity. A V1-type lead is used whose positive electrode is localized in the 4th intercostal space, 2.5cm from the sternum. Its negative electrode is placed below the left clavicle. An addition of lead V5 and aVF can be made to facilitate interpretation. (NCI)   | Lead Placement Pseudo Orthogonal XYZ       |
| C71128          | STANDARD 12-LEAD AND CC5-CM5-ML     | Standard 12-lead and CC5-CM5-ML                     | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the standard lead positions have been modified so that the negative reference is at CM5 and the active electrode is at the left leg position. (NCI)   | 12 Lead Placement Standard And CC5-CM5-ML  |
| C71126          | STANDARD 12-LEAD AND CM5-CC5-CH5    | Standard 12-lead and CM5-CC5-CH5                    | An electrocardiogram (ECG) lead placement whereby 12 leadpoints are recorded but the standard lead positions have been modified so that the bipolar lead groups place the negative of the reference electrode over the manubrium (CM5), the right scapula (CB5), V5R (CC5) or on the forehead (CH5) and the active electrode at V5. (NCI)  | 12 Lead Placement Standard And CC5-CM5-CH5 |
| C71131          | STANDARD 12-LEAD EXTENDED LEFT      | Standard 12-lead extended to the left by V7, V8, V9 | An electrocardiogram (ECG) lead placement whereby the standard lead placement is modified by having leads V7, V8 and V9. (NCI)   | 12 Lead Placement Standard Extended Left   |

| C71151 EGMETHOD |   |   |  |  |
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| NCI Code        | CDISC Submission Value                      | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                               |
| C71130          | STANDARD 12-LEAD EXTENDED RIGHT             | Standard 12-lead extended to the right by V5R, V4R, V3R | An electrocardiogram (ECG) lead placement whereby the rightward oriented V leads progress from V1R, placed instead of the standard V2, to V6R. The V3 lead in the standard placement is replaced by V4R. (NCI) | 12 Lead Placement Standard Extended Right        |
| C71115          | STANDARD LEADS FOR BICYCLE EXERCISE         |   | Limb leads on the back (shoulder and on the hips). (NCI)   | Lead Placement Bicycle                           |
| C71117          | STANDARD LEADS ONE INTERCOSTAL SPACE HIGHER | Standard leads one intercostal space higher             | An electrocardiographic lead placement schema in which the V leads are placed one intercostal space cephalad to the position they would have in the standard lead placement schema. (NCI)                      | Lead Placement Standard Intercostal Space Higher |
| C71092          | VECTORCARDIOGRAPH CORRECTED                 | Vectorcardiograph Corrected                             | A recording of the electrical activity of the heart displayed in the form of a vector loop, corrected for anatomic inconsistencies. (NCI)  | Vectorcardiograph Corrected                      |
| C71093          | VECTORCARDIOGRAPH UNCORRECTED               | Vectorcardiograph Uncorrected                           | A recording of the electrical activity of the heart displayed in the form of a vector loop, uncorrected for anatomic inconsistencies. (NCI)  | Vectorcardiograph Uncorrected                    |

## EGSTRESC (ECG Result)

NCI Code: C71150, Codelist extensible: Yes

| C71150 EGSTRESC |   |   |  |  |
|-----------------|---|---|--|--|
| NCI Code        | CDISC Submission Value                              | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C111088         | 1ST DEGREE AV BLOCK                                 | 1st degree AV block;PR Prolongation;Prolonged PR interval                     | An electrocardiographic finding of prolonged PR interval for a specific population. For adults one common threshold is a PR interval greater than 0.20 seconds. Note that other thresholds may be applicable.  | AV Block First Degree by ECG Finding                               |
| C71044          | 2:1 AV BLOCK  | 2:1 AV block  | An electrocardiographic finding of a supraventricular rhythm where the ratio of impulses generated above the atrioventricular node to the number of impulses conducted through to the ventricles is 2:1. This is manifest on the ECG as 2 P waves per QRS complex. | 2:1 Atrioventricular Block by ECG Finding                          |
| C62016          | 2ND DEGREE AV BLOCK                                 | Second Degree AV Block  | An electrocardiographic finding of intermittent failure of atrial electrical impulse conduction to the ventricles. This is manifest on the ECG by regular P waves which intermittently are not followed by QRS complexes.  | AV Block Second Degree by ECG Finding                              |
| C111091         | 3RD DEGREE AV BLOCK                                 | 3rd Degree Heart Block;AV block, complete (third-degree);Complete Heart Block | An electrocardiographic finding of complete failure of atrial electrical impulse conduction to the ventricles. This is manifest on the ECG by disassociation of atrial and ventricular rhythms. The atrial rate must be faster than the ventricular rate.          | AV Block Third Degree by ECG Finding                               |
| C114165         | 50 Hz NOISE   | 50 Hz Artifact;50 Hz Noise  | An electrocardiographic recording showing power line interference with the electrocardiographic signal. The artifact amplitude modulation has the same frequency as the AC power system present (50 Hz).   | 50 Hertz Noise by ECG Finding                                      |
| C114164         | 60 Hz NOISE   | 60 Hz Artifact;60 Hz Noise  | An electrocardiographic recording showing power line interference with the electrocardiographic signal. The artifact amplitude modulation has the same frequency as the AC power system present (60 Hz).   | 60 Hertz Noise by ECG Finding                                      |
| C116132         | ABERRANTLY CONDUCTED COMPLEXES                      | Aberrantly Conducted Beats  | An electrocardiographic finding of an abnormally wide QRS complex(es) of supraventricular origin with prolonged QRS duration due to aberrant AV conduction.  | Aberrantly Conducted Complexes by ECG Finding                      |
| C114149         | AC NOISE  | AC Noise  | An electrocardiographic recording showing power line interference with the electrocardiographic signal. The artifact amplitude modulation has the same frequency as the AC power system present (usually 50 Hz or 60 Hz).  | Alternating Current Noise by ECG Finding                           |
| C62266          | ACCELERATED IDIOVENTRICULAR RHYTHM                  | Accelerated idioventricular rhythm  | An electrocardiographic finding of idioventricular rhythm with a rate greater than 50 beats per minute.  | Accelerated Idioventricular Rhythm by ECG Finding                  |
| C71065          | ACUTE ANTERIOR WALL MYOCARDIAL INFARCTION           | Acute Anterior MI;Acute Anterior Wall Myocardial Infarction                   | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V3 and V4, which is suggestive of acute myocardial infarction of the anterior wall of the left ventricle.  | Acute Anterior Myocardial Infarction by ECG Finding                |
| C102591         | ACUTE ANTEROLATERAL WALL MYOCARDIAL INFARCTION      | Acute Anterolateral Wall Myocardial Infarction                                | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V3 through V6, which is suggestive of acute myocardial infarction of the anterolateral wall of the left ventricle.   | Acute Anterolateral Myocardial Infarction by ECG Finding           |
| C102592         | ACUTE ANTEROSEPTAL WALL MYOCARDIAL INFARCTION       | Acute Anteroseptal Wall Myocardial Infarction;Acute anteroseptal MI           | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V1 through V4, which is suggestive of acute myocardial infarction of the anteroseptal wall of the left ventricle.  | Acute Anteroseptal Myocardial Infarction by ECG Finding            |
| C106496         | ACUTE EXTENSIVE ANTERIOR WALL MYOCARDIAL INFARCTION |   | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V1 to V6, I and aVL, which is suggestive of acute myocardial infarction involving the anterior and anterolateral walls of the left ventricle.                        | Acute Extensive Anterior Wall Myocardial Infarction by ECG Finding |
| C102593         | ACUTE HIGH LATERAL WALL MYOCARDIAL INFARCTION       | Acute High Lateral Wall Myocardial Infarction                                 | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads I and aVL, which is suggestive of acute myocardial infarction of the high lateral wall of the left ventricle.  | Acute High Lateral Myocardial Infarction by ECG Finding            |
| C71066          | ACUTE INFERIOR WALL MYOCARDIAL INFARCTION           | Acute Inferior MI;Acute Inferior Wall Myocardial Infarction                   | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads III, aVF and often II, which is suggestive of acute myocardial infarction of the inferior wall of the left ventricle.  | Acute Inferior Myocardial Infarction by ECG Finding                |
| C71067          | ACUTE LATERAL WALL MYOCARDIAL INFARCTION            | Acute Lateral MI;Acute Lateral Wall Myocardial Infarction                     | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V5, V6, I and aVL, which is suggestive of acute myocardial infarction of the lateral wall of the left ventricle.   | Acute Lateral Myocardial Infarction by ECG Finding                 |

| C71150 EGSTRESC |  |   |   |  |
|-----------------|--|---|---|--|
| NCI Code        | CDISC Submission Value                             | CDISC Synonym   | CDISC Definition  | NCI Preferred Term   |
| C101596         | ACUTE MYOCARDIAL INFARCTION                        | Acute Myocardial Infarction   | An electrocardiographic finding showing a current of injury with ST elevation. No specification is provided for localization.   | Acute Myocardial Infarction by ECG Finding                   |
| C71068          | ACUTE POSTERIOR WALL MYOCARDIAL INFARCTION         | Acute Posterior MI;Acute Posterior Wall Myocardial Infarction                 | An electrocardiographic finding in leads V1 or V2 of an initial R wave duration greater than or equal to 40 ms, R wave greater than S wave, upright T wave, with accompanying ST elevation, which is suggestive of acute myocardial infarction of the posterior wall of the left ventricle. Evidence of inferior or lateral myocardial infarction is usually also present.  | Acute Posterior Myocardial Infarction by ECG Finding         |
| C102594         | ACUTE RIGHT VENTRICULAR WALL MYOCARDIAL INFARCTION | Acute Right Ventricular Wall Myocardial Infarction;Acute Right ventricular MI | An electrocardiographic finding in leads V1 or V2 of an initial R wave duration greater than or equal to 40 ms, R wave greater than S wave, upright T wave, with accompanying ST elevation, which is suggestive of acute myocardial infarction of the ventricular wall of the left ventricle. Evidence of inferior or lateral myocardial infarction is usually also present. Additional criteria include ST elevation > 100 microvolts in the right precordial leads V4R through V6R. | Acute Right Ventricular Myocardial Infarction by ECG Finding |
| C102595         | ACUTE SEPTAL WALL MYOCARDIAL INFARCTION            | Acute Septal Wall Myocardial Infarction                                       | An electrocardiographic finding of pathologic Q waves with accompanying ST elevation in leads V1, V2 and often V3, which is suggestive of acute myocardial infarction of the intraventricular septum.   | Acute Septal Myocardial Infarction by ECG Finding            |
| C102642         | ADVANCED/HIGH GRADE AV BLOCK                       | Advanced/High Grade AV Block  | An electrocardiographic finding of intermittent failure of atrial electrical impulse conduction to the ventricles, characterized by two or more consecutive non-conducted P waves.  | High Grade Atrioventricular Block by ECG Finding             |
| C114159         | ALL PRECORDIAL ELECTRODES DISCONNECTED             |   | An electrocardiographic recording in which all precordial electrodes are disconnected resulting in missing waveforms (flat line) of all leads V1 - V6.  | All Precordial Electrodes Are Disconnected by ECG Finding    |
| C71069          | ANTERIOR WALL MYOCARDIAL INFARCTION                | Anterior MI;Anterior Wall Myocardial Infarction                               | An electrocardiographic finding of pathologic Q waves in leads V3 and V4, which is suggestive of myocardial infarction of the anterior wall of the left ventricle.  | Anterior Myocardial Infarction by ECG Finding                |
| C35303          | ANTEROLATERAL WALL MYOCARDIAL INFARCTION           | Anterolateral Wall Myocardial Infarction                                      | An electrocardiographic finding of pathologic Q waves in leads V3 through V6, which is suggestive of myocardial infarction of the anterolateral wall of the left ventricle.   | Anterolateral Myocardial Infarction by ECG Finding           |
| C35304          | ANTEROSEPTAL WALL MYOCARDIAL INFARCTION            | Anteroseptal MI;Anteroseptal Wall Myocardial Infarction                       | An electrocardiographic finding of pathologic Q waves in leads V1 through V4, which is suggestive of myocardial infarction of the anteroseptal wall of the left ventricle.  | Anteroseptal Myocardial Infarction by ECG Finding            |
| C114162         | ARTIFACT   |   | An electrocardiographic recording in which one or more leads display extraneous signals which do not represent cardiac electrical activity.   | Artifact Lead Signal by ECG Finding                          |
| C116130         | ASYSTOLE   |   | An electrocardiographic finding showing no cardiac electrical activity on the ECG for the entire duration of the recording.   | Asystole by ECG Finding                                      |
| C102596         | ATRIAL BIGEMINY                                    |   | An electrocardiographic finding of a sinus beat followed by a premature atrial complex for three or more consecutive cycles; a regularly irregular rhythm of normal and abnormal P waves in a 1-1 ratio.  | Atrial Bigeminy by ECG Finding                               |
| C102597         | ATRIAL COUPLETS                                    | Atrial Couplets   | An electrocardiographic finding in which two premature atrial complexes occur sequentially.   | Atrial Couplet by ECG Finding                                |
| C71039          | ATRIAL ENLARGEMENT                                 | Atrial Enlargement  | An electrocardiographic finding which comprises left, right or bilateral atrial enlargement. This is may be characterized by prolonged P wave duration, increased P wave amplitude, or multi-component P waves.   | Atrial Enlargement by ECG Finding                            |
| C111092         | ATRIAL FIBRILLATION                                | Atrial fibrillation   | An electrocardiographic finding of a supraventricular arrhythmia characterized by the replacement of consistent P waves by rapid oscillations or fibrillatory waves that vary in size, shape and timing and are accompanied by an irregularly irregular ventricular response.   | Atrial Fibrillation by ECG Finding                           |
| C111094         | ATRIAL FLUTTER                                     | Atrial flutter  | An electrocardiographic finding of an organized, regular atrial rhythm with atrial rate of 240-340 beats per minute. Multiple P waves typically appear in the inferior leads in a saw tooth like pattern between the QRS complexes.   | Atrial Flutter by ECG Finding                                |

| C71150 EGSTRESC |                                  |  |  |   |
|-----------------|----------------------------------|--|--|---|
| NCI Code        | CDISC Submission Value           | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C111105         | ATRIAL TACHYCARDIA               | Atrial tachycardia   | An electrocardiographic finding of an organized, regular atrial rhythm with atrial rate between 101 and 240 beats per minute. The P wave morphology must be distinct from the sinus P wave morphology.   | Atrial Tachycardia by ECG Finding                         |
| C119249         | ATRIAL TACHYCARDIA WITH AV BLOCK |  | An electrocardiographic finding of an atrial tachycardia which does not display 1:1 AV conduction.   | Atrial Tachycardia With AV Block by ECG Finding           |
| C102598         | ATRIAL TRIGEMINY                 | Atrial Trigeminy   | An electrocardiographic finding of two sinus beats followed by a premature atrial complex for 3 or more consecutive cycles; a regularly irregular rhythm of normal and abnormal P waves in a 2-1 ratio.  | Atrial Trigeminy by ECG Finding                           |
| C71045          | ATRIOVENTRICULAR DISSOCIATION    | AV Dissociation;Atrioventricular dissociation  | An electrocardiographic finding in which the electrical activity of the atria and ventricles are independent of one another.   | Atrioventricular Dissociation by ECG Finding              |
| C111089         | AV MOBITZ I                      | AV Mobitz I;Mobitz I Second Degree AV Block;Second degree AV block- Mobitz type I;Second-degree AV block, Mobitz type I (Wenckebach);Type 1 2nd degree AV Block;Wenckebach | An electrocardiographic finding of intermittent failure of atrial electrical impulse conduction to the ventricles, characterized by a progressively lengthening PR interval prior to the block of an atrial impulse.   | AV Block Second Degree Mobitz Type I by ECG Finding       |
| C111090         | AV MOBITZ II                     | Mobitz II AV Block;Mobitz II Second Degree AV Block;Type 2 2nd degree AV Block   | An electrocardiographic finding of intermittent failure of atrial electrical impulse conduction to the ventricles, characterized by a relatively constant PR interval prior to the block of an atrial impulse.   | AV Block Second Degree Mobitz Type II by ECG Finding      |
| C35058          | AV NODE RE-ENTRY                 | AV Node Reentrant Supraventricular Tachycardia   | An electrocardiographic finding of a regular supraventricular tachycardia due to reentry within the AV node. It is characterized by P waves which typically occurs nearly simultaneously with the QRS complex, resulting in a P wave which is obscured by the QRS, merged with the QRS or which may follow the QRS.  | Atrioventricular Nodal Reentry Tachycardia by ECG Finding |
| C62261          | AV RE-ENTRANT TACHYCARDIA        | AV Reentrant Supraventricular Tachycardia  | An electrocardiographic finding of a regular supraventricular tachycardia which utilizes an atrioventricular bypass tract as its retrograde limb (orthodromic tachycardia) or as its antegrade limb (antidromic tachycardia). QRS complexes during sinus rhythm may show preexcitation. During orthodromic tachycardia the preexcitation is not present and a retrograde P wave may appear after the QRS complex. During antidromic tachycardia the QRS complex is preexcited. | Atrioventricular Reentrant Tachycardia by ECG Finding     |
| C114147         | BASELINE WANDER                  |  | An electrocardiographic recording in which the isoelectric line in one or more leads is vertically displaced resulting in low frequency upward and downward movements of the signal with varying amplitudes.   | Baseline Wander by ECG Finding                            |
| C71046          | BIFASCICULAR BLOCK               | Bifascicular block   | An electrocardiographic finding comprising right bundle branch block and left anterior fascicular block, or right bundle branch block and left posterior fascicular block. Defects occurring in two of the three divisions of the conduction system of the heart are considered bifascicular blocks. Technically left bundle branch block may be considered a bifascicular block. (NCI)  | Bifascicular Block by ECG Finding                         |
| C106502         | BIVENTRICULAR HYPERTROPHY        |  | An electrocardiographic finding suggestive of enlargement or thickening of both ventricles, with a combination of findings which are related to LVH and RVH, such as voltage criteria for LVH in the presence of marked right axis deviation.  | Biventricular Hypertrophy by ECG Finding                  |
| C92228          | BORDERLINE QTcB                  | Borderline QTcB  | An electrocardiographic finding in which the QT interval corrected for heart rate using Bazett's formula is slightly prolonged. Thresholds for different age, gender, and patient populations exist.   | Borderline QTcB   |
| C92229          | BORDERLINE QTcF                  | Borderline QTcF  | An electrocardiographic finding in which the QT interval corrected for heart rate using Fridericia's formula is slightly prolonged. Thresholds for different age, gender, and patient populations exist.   | Borderline QTcF   |
| C111120         | BRADYCARDIA                      | Bradycardia  | An electrocardiographic finding of abnormally slow heart rate. Thresholds for different age, gender, and patient populations exist.  | Bradycardia by ECG Finding                                |



| C71150 EGSTRESC |   |   |   |   |
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| NCI Code        | CDISC Submission Value  | CDISC Synonym                                     | CDISC Definition  | NCI Preferred Term  |
| C106503         | BRUGADA SYNDROME PATTERN  |   | An electrocardiographic finding of complete or incomplete right bundle branch block accompanied by ST elevation in leads V1-V3. This may be noted at rest or can be provoked by medication challenge.   | Brugada Syndrome Pattern by ECG Finding   |
| C116138         | CV ENDPOINTS ISCHEMIC ECG CHANGES   |   | An electrocardiographic finding, in the absence of left ventricular hypertrophy (LVH) and left bundle branch block pattern on ECG, of either a) new (or presumed new) ST elevation at the J point in two contiguous leads with the following cut-points: $\geq 0.1$ mV in all leads other than leads V2-V3 where the following cut points apply: $\geq 0.2$ mV in men $\geq 40$ years; $\geq 0.25$ mV in men $< 40$ years, or $\geq 0.15$ mV in women; or b) new (or presumed new) horizontal or down-sloping ST depression $\geq 0.05$ mV in two contiguous leads and/or T inversion $\geq 0.1$ mV in two contiguous leads with prominent R wave or R/S ratio $> 1$ . (Thygesen K, Alpert JS, Jaffe AS, et al.: the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction. J Am Coll Cardiol 60(16):1-18, 2012) | ACC/AHA Ischemic ECG Changes  |
| C62258          | DELTA WAVE  | Delta wave  | An electrocardiographic finding of initial slurring (delta wave) of the QRS complex due to the presence of an accessory pathway. This characteristic ECG pattern is typically seen in Wolff-Parkinson-White syndrome.   | Delta Wave by ECG Finding   |
| C102623         | DEXTROCARDIA  | Dextrocardia                                      | An electrocardiographic finding suggestive of dextrocardia with situs inversus, characterized by reversal of normal anterior R wave progression and the appearance of reversal of the right and left arm electrodes.  | Dextrocardia by ECG Finding   |
| C102628         | EARLY R WAVE TRANSITION   | Early R Wave Progression; Early R Wave Transition | An electrocardiographic finding where the amplitude of the R wave becomes greater than the amplitude of the S wave in the QRS complex at an unusually early point in the precordial leads, usually in leads V1 or V2.   | Early R Wave Transition by ECG Finding  |
| C102629         | EARLY REPOLARIZATION  | Early Repolarization                              | An electrocardiographic finding of J point and ST segment elevation in the absence of other signs of acute ischemia or pericarditis.  | Early Repolarization  |
| C114175         | ECG ACQUIRED WITH PRECORDIAL ELECTRODES PLACED ON RIGHT CHEST                     |   | An electrocardiographic recording in which the precordial electrodes have been placed over the right chest and record a right sided ECG.  | ECG Acquired with Precordial Electrodes Placed on the Right Chest                 |
| C114181         | ECG EVALUATION NOT PERFORMED DUE TO CORRUPTED DIGITAL ECG FILE                    |   | A digital electrocardiographic recording which is corrupted (i.e. ECG signal cannot be restored) such that measurements and/or interpretation cannot be performed.  | ECG Evaluation Not Performed Due to Corrupted Digital ECG File                    |
| C114180         | ECG EVALUATION NOT PERFORMED DUE TO POOR QUALITY OF PRINTED ECG                   |   | A printed electrocardiographic recording with poor printout quality (e.g. a faded paper ECG tracing or ECG with inconsistent printing speed) such that measurements and/or interpretation cannot be performed.  | ECG Evaluation Not Performed Due to Poor Quality of Printed ECG                   |
| C114178         | ECG EVALUATION NOT PERFORMED DUE TO UNKNOWN ECG AMPLITUDE GAIN OR RECORDING SPEED |   | An electrocardiographic recording in which measurements and/or interpretation are not performed because the ECG amplitude gain and/or recording speed are not known.  | ECG Evaluation Not Performed Due to Unknown ECG Amplitude Gain or Recording Speed |
| C62245          | ECTOPIC ATRIAL RHYTHM   | Ectopic atrial rhythm                             | An electrocardiographic finding of a regular atrial rhythm with atrial rate of less than 101 beats per minute which does not originate in the sinus node, and which is characterized by P waves whose morphology differs from the P wave morphology during sinus rhythm.  | Ectopic Atrial Rhythm by ECG Finding  |
| C71042          | ECTOPIC VENTRICULAR RHYTHM  | Ectopic ventricular rhythm                        | An electrocardiographic finding of three or more consecutive complexes of ventricular origin. The QRS complexes are wide and have an abnormal morphology.   | Ectopic Ventricular Rhythm by ECG Finding   |
| C71035          | ELECTRICAL ALTERNANS  | Electrical alternans                              | An electrocardiographic finding in which there is an alternating pattern of any of the waveform components. (NCI)   | Electrical Alternans by ECG Finding   |
| C106520         | EXTENSIVE ANTERIOR WALL MYOCARDIAL INFARCTION                                     |   | An electrocardiographic finding of pathologic Q waves in leads V1 to V6, I and aVL, which is suggestive of myocardial infarction involving the anterior and anterolateral walls of the left ventricle.  | Extensive Anterior Wall Myocardial Infarction by ECG Finding                      |

| C71150 EGSTRESC |  |   |  |  |
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| NCI Code        | CDISC Submission Value                                     | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C102639         | FUSION COMPLEX   | Fusion Complex;Fusion complex(es)   | An electrocardiographic finding that occurs when electrical activation of the atria or ventricles occurs from two separate sites. This results in a P wave or QRS complex that displays merged characteristics of beats originating from the two different sites.                                    | Fusion Complex   |
| C102643         | HIGH LATERAL WALL MYOCARDIAL INFARCTION                    | High Lateral Wall Myocardial Infarction                                   | An electrocardiographic finding of pathologic Q waves in leads I and aVL, which is suggestive of myocardial infarction of the high lateral wall of the left ventricle.   | High Lateral Myocardial Infarction by ECG Finding              |
| C50599          | IDIOVENTRICULAR RHYTHM                                     | Idioventricular Rhythm  | An electrocardiographic finding of three or more consecutive complexes of ventricular origin with a rate less than a certain threshold (100 or 120 beats per minute are commonly used). The QRS complexes are wide and have an abnormal morphology.  | Idioventricular Rhythm   |
| C114167         | INCOMPLETE ECG   |   | An electrocardiographic recording which is limited in duration or which does not display all of the expected leads.  | Incomplete ECG   |
| C71047          | INCOMPLETE LEFT BUNDLE BRANCH BLOCK                        | Incomplete left bundle branch block                                       | An electrocardiographic finding of a wide QRS complex with evidence of delayed conduction to the left ventricle, manifest as a widened initial portion of the QRS complex in leads V5, V6, I and aVL and with QRS duration less than 120 ms.   | Incomplete Left Bundle Branch Block by ECG Finding             |
| C114179         | INCOMPLETE MEASUREMENTS DUE TO TRUNCATION OF QRS COMPLEXES |   | An electrocardiographic recording in which measurements (particularly of QRS amplitudes) and/or interpretations are not performed because QRS complexes have been truncated.   | Incomplete ECG Measurements Due to Truncation of QRS Complexes |
| C71048          | INCOMPLETE RIGHT BUNDLE BRANCH BLOCK                       | Incomplete right bundle branch block;Incomplete right bundle-branch block | An electrocardiographic finding of a wide QRS complex with evidence of delayed conduction to the right ventricle, manifest by a widened initial portion of the QRS in V1 and V2, a widened S wave in V5, V6, I and aVL, and with QRS duration less than 120 ms.                                      | Incomplete Right Bundle Branch Block by ECG Finding            |
| C114169         | INCOMPLETELY DIGITIZED ECG LEAD(S)                         |   | A digital electrocardiographic recording which was digitized from paper ECG tracings and which does not contain all leads present on the original paper printout.  | Incompletely Digitized ECG Leads                               |
| C114168         | INCORRECTLY SCALED ECG                                     |   | An electrocardiographic recording in which the ECG signal is not displayed at the indicated recording speed and/or amplitude resolution.   | Incorrectly Scaled ECG   |
| C102701         | INDETERMINATE QRS AXIS                                     | Indeterminate Axis;Indeterminate QRS Axis;QRS Axis Indeterminate          | An electrocardiographic finding in which the frontal plane QRS axis cannot be calculated.  | QRS Axis Indeterminate   |
| C35398          | INFERIOR WALL MYOCARDIAL INFARCTION                        | Inferior MI;Inferior Wall Myocardial Infarction                           | An electrocardiographic finding of pathologic Q waves in leads III, aVF and often II, which is suggestive of myocardial infarction of the inferior wall of the left ventricle.   | Inferior Myocardial Infarction by ECG Finding                  |
| C114177         | INSUFFICIENT NUMBER OF BEATS TO COMPLETELY EVALUATE ECG    |   | An electrocardiographic recording in which fewer than the required number of cardiac complexes are available for measurement and/or interpretation due to a shorter than planned recording or due to cardiac complexes which are present but are not suitable for measurement and/or interpretation. | Insufficient Number of Beats for Complete ECG Evaluation       |
| C71073          | INTRAATRIAL CONDUCTION DELAY                               | Intraatrial Conduction Delay  | An electrocardiographic finding of a delay in impulse propagation through the atria. This is characterized by broad P waves which are often biphasic in V1.  | Intra-Atrial Conduction Delay by ECG Finding                   |
| C62271          | INTRAVENTRICULAR CONDUCTION DELAY, NONSPECIFIC             | Intraventricular Conduction Defect;Intraventricular conduction delay      | An electrocardiographic finding of a widened QRS duration typically greater than 110 ms which does not meet the morphologic criteria for any of the standard bundle branch or fascicular block patterns.   | Nonspecific Intraventricular Conduction Delay by ECG Finding   |
| C114171         | INVALID ECG WAVEFORMS                                      |   | An electrocardiographic recording for which the displayed leads do not represent the individual's true ECG lead information.   | Invalid ECG Waveforms  |
| C62248          | ISORHYTHMIC DISSOCIATION                                   | Isorhythmic dissociation  | An electrocardiographic finding of a type of atrioventricular dissociation characterized by the atria (P waves) and ventricles (QRS complexes) beating at similar rates, although independently.   | Isorhythmic Atrioventricular Dissociation                      |
| C71030          | J POINT ELEVATION  | J point elevation   | An electrocardiographic finding of a significant elevation above the baseline of the J point.  | J Point Elevation  |

| <b>C71150 EGSTRESC</b> |  |   |  |   |
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| <b>NCI Code</b>        | <b>CDISC Submission Value</b>            | <b>CDISC Synonym</b>  | <b>CDISC Definition</b>  | <b>NCI Preferred Term</b>                               |
| C71074                 | JUNCTIONAL BRADYCARDIA                   | Junctional bradycardia  | An electrocardiographic finding of a junctional rhythm with a heart rate which is abnormally low.  | Junctional Bradycardia by ECG Finding                   |
| C116129                | JUNCTIONAL ESCAPE COMPLEXES              | Junctional Escape Beats   | An electrocardiographic finding of an escape beat following a pause which originates in the AV junction. This is manifest as a QRS complex of supraventricular origin not preceded by a P wave.  | Junctional Escape Complexes by ECG Finding              |
| C102652                | JUNCTIONAL PREMATURE COMPLEX             | Junctional Extra Beat; Junctional Premature Complex; Junctional premature complex(es) | An electrocardiographic finding of an ectopic impulse originating in the AV junction presenting as a QRS complex of supraventricular origin which is not preceded by a P wave.   | Junctional Premature Complex by ECG Finding             |
| C71051                 | JUNCTIONAL RHYTHM                        | Junctional rhythm   | An electrocardiographic finding of a rhythm which originates in the AV junction and results in a normal heart rate. It is characterized by retrograde P waves which may be obscured by or may follow the QRS complexes. The QRS complexes may be narrow or may demonstrate aberration.         | Junctional Rhythm by ECG Finding                        |
| C35059                 | JUNCTIONAL TACHYCARDIA                   | Junctional tachycardia  | An electrocardiographic finding of a junctional rhythm with a heart rate which is abnormally elevated.   | Junctional Tachycardia by ECG Finding                   |
| C102653                | LATE R WAVE TRANSITION                   | Late R Wave Transition  | An electrocardiographic finding where the amplitude of the R wave does not become greater than the amplitude of the S wave until an unusually late point in the precordial leads, usually in leads V4 to V6.   | Late R Wave Transition by ECG Finding                   |
| C35586                 | LATERAL WALL MYOCARDIAL INFARCTION       | Lateral MI; Lateral Wall Myocardial Infarction  | An electrocardiographic finding of pathologic Q waves in leads V5, V6, I and aVL, which is suggestive of myocardial infarction of the lateral wall of the left ventricle.  | Lateral Myocardial Infarction by ECG Finding            |
| C62267                 | LEFT ANTERIOR FASCICULAR BLOCK           | Left Anterior Hemiblock; Left anterior fascicular block                               | An electrocardiographic finding of a slightly widened QRS duration (typically less than 120 ms) with leftward frontal plane QRS axis and typically small Q waves in leads I and aVL.   | Left Anterior Fascicular Block by ECG Finding           |
| C71040                 | LEFT ATRIAL ABNORMALITY                  | Left Atrial Enlargement; P-mitrale  | An electrocardiographic finding suggesting underlying hypertrophy or dilatation of the left atrium. Electrocardiographic criteria used for the diagnosis of left atrial abnormality may include a bifid p wave, a biphasic p wave and/or a p wave duration of greater than 0.12 seconds. (NCI) | P-mitrale by ECG Finding                                |
| C62269                 | LEFT BUNDLE BRANCH BLOCK                 | Complete LBBB; Left bundle branch block; Left bundle-branch block                     | An electrocardiographic finding of a wide QRS complex with evidence of delayed conduction to the left ventricle, manifest as a widened initial portion of the QRS complex in leads V5, V6, I and aVL and with QRS duration greater than or equal to 120 ms.                                    | Left Bundle Branch Block by ECG Finding                 |
| C62268                 | LEFT POSTERIOR FASCICULAR BLOCK          | Left Posterior Hemiblock; Left posterior fascicular block                             | An electrocardiographic finding of an S1Q3 pattern and QRS axis greater than or equal to 120 degrees. It is usually seen in association with other abnormalities (e.g. RBBB or RVH).   | Left Posterior Fascicular Block by ECG Finding          |
| C92231                 | LEFT VENTRICULAR CONDUCTION DELAY        | Left Ventricular Conduction Delay   | An electrocardiographic finding in which there is evidence that electrical transmission through the left ventricle is impaired.  | Left Ventricular Conduction Delay by ECG Finding        |
| C71076                 | LEFT VENTRICULAR HYPERTROPHY             | Left Ventricular Hypertrophy  | An electrocardiographic finding suggestive of a hypertrophied left ventricle, characterized by large QRS amplitudes and secondary findings of left atrial enlargement, left axis deviation, or typical pattern of ST depression and T wave inversion.  | Left Ventricular Hypertrophy by ECG Finding             |
| C102655                | LEFT VENTRICULAR HYPERTROPHY WITH STRAIN | Left Ventricular Hypertrophy With Strain  | An electrocardiographic finding suggestive of a hypertrophied left ventricle, characterized by large QRS amplitudes, ST depression and T wave inversion.   | Left Ventricular Hypertrophy with Strain by ECG Finding |
| C114151                | LIMB ELECTRODE(S) DISCONNECTED           |   | An electrocardiographic recording in which one or more of the limb electrodes are disconnected resulting in missing waveforms (often flat lines) of the respective leads.  | Disconnected Limb Electrodes by ECG Finding             |
| C114150                | LIMB ELECTRODES INTERCHANGED             | Limb Lead Reversal  | An electrocardiographic recording in which two or more of the limb electrodes are switched resulting in improper representation of the affected leads.   | Interchanged Limb Electrodes by ECG Finding             |
| C114166                | LOW AMPLITUDE SIGNAL                     | Low Amplitude QRS Complex   | An electrocardiographic recording showing smaller than usual QRS complexes in one or more leads. This may represent a technical issue with the ECG acquisition or characteristics of the individual.   | Low Amplitude QRS Complex by ECG Finding                |

| <b>C71150 EGSTRESC</b> |   |   |   |   |
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| <b>NCI Code</b>        | <b>CDISC Submission Value</b>                     | <b>CDISC Synonym</b>                                    | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                                   |
| C71078                 | LOW QRS VOLTAGE                                   | Low QRS voltage   | An electrocardiographic finding of a QRS amplitude less than or equal to 0.5 mV in the limb leads or QRS amplitude less than or equal to 1 mV in the precordial leads.  | Low QRS Voltage by ECG Finding                              |
| C116133                | LOW VOLTAGE - LIMB LEADS ONLY                     |   | An electrocardiographic finding of small QRS amplitudes (less than 500 microvolts) in all limb leads.   | Low Voltage in Limb Leads Only by ECG Finding               |
| C71050                 | MULTIFOCAL ATRIAL TACHYCARDIA                     | Multifocal atrial tachycardia                           | An electrocardiographic finding of a supraventricular arrhythmia characterized by 3 or more distinct P wave morphologies with an isoelectric baseline, variable PR intervals and no predominant atrial rhythm. The ventricular rate is typically 100-150 beats per minute.  | Multifocal Atrial Tachycardia by ECG Finding                |
| C114148                | MUSCLE TREMOR                                     |   | An electrocardiographic recording with intermittent mid to high frequency artifact in one or more leads due to muscular tremor or movement rather than cardiac activity.  | Muscle Tremor Artifact                                      |
| C101589                | MYOCARDIAL INFARCTION                             | Myocardial Infarction                                   | An electrocardiographic finding of pathologic Q waves, which is suggestive of myocardial infarction of one or more regions of the heart. No specification is provided for localization.   | Myocardial Infarction by ECG Finding                        |
| C102732                | NEW ANTERIOR WALL MYOCARDIAL INFARCTION           | New Anterior MI;New Anterior Wall Myocardial Infarction | An electrocardiographic finding of pathologic Q waves in leads V3 and V4, which is suggestive of myocardial infarction of the anterior wall of the left ventricle and which is new compared to prior ECGs.  | New Anterior Myocardial Infarction by ECG Finding           |
| C102733                | NEW ANTEROLATERAL WALL MYOCARDIAL INFARCTION      | New Anterolateral Wall Myocardial Infarction            | An electrocardiographic finding of pathologic Q waves in leads V3 through V6, which is suggestive of myocardial infarction of the anterolateral wall of the left ventricle and which is new compared to prior ECGs.   | New Anterolateral Myocardial Infarction by ECG Finding      |
| C102734                | NEW ANTEROSEPTAL WALL MYOCARDIAL INFARCTION       | New Anteroseptal Wall Myocardial Infarction             | An electrocardiographic finding of pathologic Q waves in leads V1 through V4, which is suggestive of myocardial infarction of the anteroseptal wall of the left ventricle and which is new compared to prior ECGs.  | New Anteroseptal Myocardial Infarction by ECG Finding       |
| C102735                | NEW EXTENSIVE ANTERIOR WALL MYOCARDIAL INFARCTION | New Extensive Anterior Wall Myocardial Infarction       | An electrocardiographic finding of pathologic Q waves in leads V1 to V6, I and aVL, which is suggestive of myocardial infarction involving the anterior and anterolateral walls of the left ventricle and which is new compared to prior ECGs.  | New Extensive Anterior Myocardial Infarction by ECG Finding |
| C102736                | NEW HIGH LATERAL WALL MYOCARDIAL INFARCTION       | New High Lateral Wall Myocardial Infarction             | An electrocardiographic finding of pathologic Q waves in leads I and aVL, which is suggestive of myocardial infarction of the high lateral wall of the left ventricle and which is new compared to prior ECGs.  | New High Lateral Myocardial Infarction by ECG Finding       |
| C102737                | NEW INFERIOR WALL MYOCARDIAL INFARCTION           | New Inferior Wall Myocardial Infarction                 | An electrocardiographic finding of pathologic Q waves in leads III, aVF and often II, which is suggestive of myocardial infarction of the inferior wall of the left ventricle and which is new compared to prior ECGs.  | New Inferior Myocardial Infarction by ECG Finding           |
| C102738                | NEW LATERAL WALL MYOCARDIAL INFARCTION            | New Lateral Wall Myocardial Infarction                  | An electrocardiographic finding of pathologic Q waves in leads V5, V6, I and aVL, which is suggestive of myocardial infarction of the lateral wall of the left ventricle and which is new compared to prior ECGs.   | New Lateral Myocardial Infarction by ECG Finding            |
| C102731                | NEW MYOCARDIAL INFARCTION                         | New Myocardial Infarction                               | An electrocardiographic finding of pathologic Q waves, which is suggestive of myocardial infarction of one or more regions of the heart and which is new compared to prior ECGs. No specification is provided for localization.   | New Myocardial Infarction by ECG Finding                    |
| C106548                | NEW POSTERIOR WALL MYOCARDIAL INFARCTION          |   | An electrocardiographic finding in leads V1 or V2 of an initial R wave duration greater than or equal to 40 ms, R wave greater than S wave, and upright T wave, which is suggestive of myocardial infarction of the posterior wall of the left ventricle, and which is new compared to prior ECGs. Evidence of inferior or lateral myocardial infarction is usually also present. | New Posterior Wall Myocardial Infarction by ECG Finding     |
| C102739                | NEW SEPTAL WALL MYOCARDIAL INFARCTION             | New Septal Wall Myocardial Infarction                   | An electrocardiographic finding of pathologic Q waves in leads V1, V2 and often V3, which is suggestive of myocardial infarction of the intraventricular septum and which is new compared to prior ECGs.  | New Septal Myocardial Infarction by ECG Finding             |
| C114163                | NO ECG WAVEFORMS PRESENT                          |   | An electrocardiographic recording that displays flat lines (no waveforms are visible) in all leads present.   | ECG Waveforms Not Present                                   |

| C71150 EGSTRESC |  |  |   |  |
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| NCI Code        | CDISC Submission Value   | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C71080          | NON Q WAVE MYOCARDIAL INFARCTION                                       | Non Q Wave Myocardial Infarction   | An electrocardiographic finding of ST and T wave abnormalities in the absence of pathologic Q waves, which is suggestive of myocardial infarction in one or more regions of the heart.  | Non Q Wave Myocardial Infarction by ECG Finding                                  |
| C116134         | NON-DIAGNOSTIC Q WAVES   |  | An electrocardiographic finding of Q waves which are insufficient for the diagnosis of myocardial infarction. In such cases a myocardial infarction may be suspected, even though ECG criteria are not met.   | Non-Diagnostic Q Waves by ECG Finding  |
| C71031          | NON-SPECIFIC ST-T CHANGES  | Non-specific ST-T changes  | An electrocardiographic finding of changes in the ST segment and T wave that do not meet criteria for ischemia or infarction. (NCI)   | Non-Specific ST-T Changes by ECG Finding   |
| C102680         | NON-SUSTAINED ATRIAL TACHYCARDIA                                       | Non-Sustained Atrial Tachycardia   | An electrocardiographic finding of an atrial tachycardia which terminates in less than 30 seconds.  | Non-Sustained Atrial Tachycardia by ECG Finding                                  |
| C71053          | NON-SUSTAINED VENTRICULAR TACHYCARDIA                                  | Non-sustained ventricular tachycardia;Ventricular tachycardia, unsustained | An electrocardiographic finding of ventricular tachycardia less than 30 seconds in duration. (NCI)  | Non-Sustained Ventricular Tachycardia by ECG Finding                             |
| C102681         | NORMAL SINUS RHYTHM  | Normal Sinus Rhythm  | An electrocardiographic finding of an atrial rhythm which originates from the sinoatrial node that is considered normal for the population. There are no extra beats or conduction abnormalities.   | Normal Sinus Rhythm  |
| C102634         | NORTHWEST AXIS   | Northwest Axis;Right superior axis   | An electrocardiographic finding of a frontal plane QRS axis from -90 to +180 degrees.   | Extreme Right Axis Deviation   |
| C71032          | NOTCHED T WAVES  | Notched T Waves  | An electrocardiographic finding of an irregular, u or v shaped deflection within the contour of the T wave.   | T Wave Notched by ECG Finding  |
| C102684         | OLD OR AGE INDETERMINATE ANTERIOR WALL MYOCARDIAL INFARCTION           | Old Or Age Indeterminate Anterior Wall Myocardial Infarction               | An electrocardiographic finding of pathologic Q waves in leads V3 and V4, which is suggestive of myocardial infarction of the anterior wall of the left ventricle, without evidence of current or ongoing acute infarction.   | Old or Age Indeterminate Anterior Myocardial Infarction by ECG Finding           |
| C102685         | OLD OR AGE INDETERMINATE ANTEROLATERAL WALL MYOCARDIAL INFARCTION      | Old Or Age Indeterminate Anterolateral Wall Myocardial Infarction          | An electrocardiographic finding of pathologic Q waves in leads V3 through V6, which is suggestive of myocardial infarction of the anterolateral wall of the left ventricle, without evidence of current or ongoing acute infarction.  | Old or Age Indeterminate Anterolateral Myocardial Infarction by ECG Finding      |
| C102686         | OLD OR AGE INDETERMINATE ANTEROSEPTAL WALL MYOCARDIAL INFARCTION       | Old Or Age Indeterminate Anteroseptal Wall Myocardial Infarction           | An electrocardiographic finding of pathologic Q waves in leads V1 through V4, which is suggestive of myocardial infarction of the anteroseptal wall of the left ventricle, without evidence of current or ongoing acute infarction.   | Old or Age Indeterminate Anteroseptal Myocardial Infarction by ECG Finding       |
| C102687         | OLD OR AGE INDETERMINATE EXTENSIVE ANTERIOR WALL MYOCARDIAL INFARCTION | Old Or Age Indeterminate Extensive Anterior Wall Myocardial Infarction     | An electrocardiographic finding of pathologic Q waves in leads V1 to V6, I and aVL, which is suggestive of myocardial infarction involving the anterior and anterolateral walls of the left ventricle, without evidence of current or ongoing acute infarction.   | Old or Age Indeterminate Extensive Anterior Myocardial Infarction by ECG Finding |
| C102688         | OLD OR AGE INDETERMINATE HIGH LATERAL WALL MYOCARDIAL INFARCTION       | Old Or Age Indeterminate High Lateral Wall Myocardial Infarction           | An electrocardiographic finding of pathologic Q waves in leads I and aVL, which is suggestive of myocardial infarction of the high lateral wall of the left ventricle, without evidence of current or ongoing acute infarction.   | Old or Age Indeterminate High Lateral Myocardial Infarction by ECG Finding       |
| C102689         | OLD OR AGE INDETERMINATE INFERIOR WALL MYOCARDIAL INFARCTION           | Old Or Age Indeterminate Inferior Wall Myocardial Infarction               | An electrocardiographic finding of pathologic Q waves in leads III, aVF and often II, which is suggestive of myocardial infarction of the inferior wall of the left ventricle, without evidence of current or ongoing acute infarction.   | Old or Age Indeterminate Inferior Myocardial Infarction by ECG Finding           |
| C102690         | OLD OR AGE INDETERMINATE LATERAL WALL MYOCARDIAL INFARCTION            | Old Or Age Indeterminate Lateral Wall Myocardial Infarction                | An electrocardiographic finding of pathologic Q waves in leads V5, V6, I and aVL, which is suggestive of myocardial infarction of the lateral wall of the left ventricle, without evidence of current or ongoing acute infarction.  | Old or Age Indeterminate Lateral Myocardial Infarction by ECG Finding            |
| C102691         | OLD OR AGE INDETERMINATE POSTERIOR WALL MYOCARDIAL INFARCTION          | Old Or Age Indeterminate Posterior Wall Myocardial Infarction              | An electrocardiographic finding in leads V1 or V2 of an initial R wave duration greater than or equal to 40 ms, R wave greater than S wave, and upright T wave, which is suggestive of myocardial infarction of the posterior wall of the left ventricle, without evidence of current or ongoing acute infarction. Evidence of inferior or lateral myocardial infarction is usually also present. | Old or Age Indeterminate Posterior Myocardial Infarction by ECG Finding          |

| <b>C71150 EGSTRESC</b> |   |   |  |   |
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| <b>NCI Code</b>        | <b>CDISC Submission Value</b>                                   | <b>CDISC Synonym</b>  | <b>CDISC Definition</b>  | <b>NCI Preferred Term</b>   |
| C102693                | OLD OR AGE INDETERMINATE SEPTAL WALL MYOCARDIAL INFARCTION      | Old Or Age Indeterminate Septal Wall Myocardial Infarction              | An electrocardiographic finding of pathologic Q waves in leads V1, V2 and often V3, which is suggestive of myocardial infarction of the intraventricular septum, without evidence of current or ongoing acute infarction.  | Old or Age Indeterminate Septal Myocardial Infarction by ECG Finding            |
| C101597                | OLD OR AGE INDETERMINATE WALL MYOCARDIAL INFARCTION             | Old Or Age Indeterminate Wall Myocardial Infarction                     | An electrocardiographic finding of pathologic Q waves, which is suggestive of myocardial infarction of one or more regions of the heart, without evidence of current or ongoing acute infarction. No specification is provided for localization.   | Old Myocardial Infarction by ECG Finding  |
| C102692                | OLD OR AGE UNDETERMINED RIGHT VENTRICULAR MYOCARDIAL INFARCTION |   | An electrocardiographic finding, in the presence of an old or age indeterminate inferior wall myocardial infarction, of Q waves greater than or equal to 40 ms in duration in the right ventricular leads V4R through V6R.   | Old or Age Indeterminate Right Ventricular Myocardial Infarction by ECG Finding |
| C114176                | OTHER INCORRECT ELECTRODE PLACEMENT                             |   | An electrocardiographic recording in which one or more electrodes are incorrectly placed but further details are not provided.   | Other Incorrect Electrode Placement   |
| C90430                 | P WAVE ABNORMALITY  | P Wave Abnormality  | An electrocardiographic finding for the P wave that is atypical either for the shape, duration, amplitude, axis or polarity. Abnormality of the P wave signifies aberrant propagation of the electrical impulse through the atria. (NCI)   | P Wave Abnormality by ECG Finding   |
| C90431                 | P WAVE NOTCHED  | P Wave Notched  | An electrocardiographic finding of P waves with two peaks longer in duration than normal and amplitude greater than normal.  | P Wave Notched by ECG Finding   |
| C92232                 | PACED ATRIAL AND VENTRICULAR RHYTHM                             | AV dual-paced complex(es) or rhythm;Paced Atrial And Ventricular Rhythm | An electrocardiographic finding in which both the atrial and ventricular rhythm are controlled by an electrical impulse from an artificial cardiac pacemaker.  | Paced Atrial And Ventricular Rhythm   |
| C92233                 | PACED ATRIAL RHYTHM   | Atrial-paced complex(es) or rhythm;Paced Atrial Rhythm                  | An electrocardiographic finding in which the atrial rhythm is controlled by an electrical impulse from an artificial cardiac pacemaker.  | Paced Atrial Rhythm   |
| C88140                 | PACED RHYTHM  | Atrial and/or Ventricular Paced Rhythm;Paced Rhythm                     | An electrocardiographic finding in which the cardiac rhythm is controlled by an electrical impulse from an artificial cardiac pacemaker.   | Paced Rhythm  |
| C92234                 | PACED VENTRICULAR RHYTHM  | Paced Ventricular Rhythm;Ventricular-paced complex(es) or rhythm        | An electrocardiographic finding in which the ventricular rhythm is controlled by an electrical impulse from an artificial cardiac pacemaker.   | Paced Ventricular Rhythm  |
| C62250                 | PAROXYSMAL AV BLOCK   | Paroxysmal AV block   | An electrocardiographic finding of the sudden onset of transient AV block, which is often associated with preexisting conduction disorders.  | Paroxysmal Atrioventricular Block by ECG Finding                                |
| C34902                 | PAROXYSMAL VENTRICULAR TACHYCARDIA                              | Paroxysmal Ventricular Tachycardia                                      | An episodic form of ventricular tachycardia, with abrupt onset and termination. (NCI)  | Paroxysmal Ventricular Tachycardia by ECG Finding                               |
| C119250                | PAUSE   |   | An electrocardiographic finding of an RR interval which exceeds a predefined duration threshold, regardless of the underlying rhythm.  | Pause by ECG Finding  |
| C119251                | PAUSE GREATER THAN 3.0 SECONDS                                  |   | An electrocardiographic finding of an RR interval with duration greater than 3.0 seconds, regardless of the underlying rhythm.   | Pause Greater Than Three Seconds by ECG Finding                                 |
| C114172                | POOR QUALITY ECG  |   | An electrocardiographic recording that does not show proper quality for reasons that are not otherwise described.  | Poor Quality ECG  |
| C71033                 | POOR R WAVE PROGRESSION   | Poor R Wave Progression   | An electrocardiographic finding of a lack of progression of R wave height across precordial leads.   | Poor R Wave Progression by ECG Finding  |
| C35399                 | POSTERIOR WALL MYOCARDIAL INFARCTION                            | Posterior MI;Posterior Wall Myocardial Infarction                       | An electrocardiographic finding in leads V1 or V2 of an initial R wave duration greater than or equal to 40 ms, R wave greater than S wave, and upright T wave, which is suggestive of myocardial infarction of the posterior wall of the left ventricle. Evidence of inferior or lateral myocardial infarction is usually also present. | Posterior Myocardial Infarction by ECG Finding                                  |
| C116135                | PR SEGMENT DEPRESSION   | PR Depression   | An electrocardiographic finding of PR segment depression below the iso-electric line in multiple precordial and/or limb leads.   | PR Segment Depression by ECG Finding  |

| C71150 EGSTRESC |  |  |   |   |
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| NCI Code        | CDISC Submission Value                         | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
| C34940          | PRE-EXCITATION                                 | Pre-excitation;Ventricular preexcitation   | An electrocardiographic finding characterized by a premature activation of the whole or some part of the ventricle. The PR interval is usually shortened and delta waves are frequently present.  | Pre-Excitation Syndrome                                     |
| C114153         | PRECARDIAL ELECTRODE V1 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V1 is disconnected resulting in missing waveforms (flat line) for lead V1.  | Disconnected Precordial Electrode V1 by ECG Finding         |
| C114154         | PRECARDIAL ELECTRODE V2 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V2 is disconnected resulting in missing waveforms (flat line) for lead V2.  | Disconnected Precordial Electrode V2 by ECG Finding         |
| C114155         | PRECARDIAL ELECTRODE V3 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V3 is disconnected resulting in missing waveforms (flat line) for lead V3.  | Disconnected Precordial Electrode V3 by ECG Finding         |
| C114156         | PRECARDIAL ELECTRODE V4 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V4 is disconnected resulting in missing waveforms (flat line) for lead V4.  | Disconnected Precordial Electrode V4 by ECG Finding         |
| C114157         | PRECARDIAL ELECTRODE V5 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V5 is disconnected resulting in missing waveforms (flat line) for lead V5.  | Disconnected Precordial Electrode V5 by ECG Finding         |
| C114158         | PRECARDIAL ELECTRODE V6 DISCONNECTED           |  | An electrocardiographic recording in which the electrode for lead V6 is disconnected resulting in missing waveforms (flat line) for lead V6.  | Disconnected Precordial Electrode V6 by ECG Finding         |
| C114160         | PRECARDIAL ELECTRODE(S) POSITIONED INCORRECTLY |  | An electrocardiographic recording in which one or more precordial electrodes are placed incorrectly with respect to the standard chest electrode positions resulting in improper representation of the affected leads.  | Incorrectly Positioned Precordial Electrodes by ECG Finding |
| C114152         | PRECARDIAL ELECTRODES INTERCHANGED             | Precordial Lead Reversal   | An electrocardiographic recording in which two or more of the precordial electrodes are switched resulting in improper representation of the affected leads.  | Interchanged Precordial Electrodes by ECG Finding           |
| C62257          | PREMATURE ATRIAL COMPLEXES                     | APC;Atrial premature complex(es);PAC;Premature atrial complex;SVE;Supraventricular Extra Beat  | An electrocardiographic finding of an ectopic impulse originating in the atria and not specifically in the sinus node. The P wave morphology of these complexes is often different from a sinus P wave and the RR intervals preceding these complexes is also shorter than those of the regular beats.              | Atrial Premature Complex by ECG Finding                     |
| C102603         | PREMATURE ATRIAL COMPLEXES BLOCKED             | Atrial premature complexes, nonconducted;Non-conducted SVE;Premature Atrial Complexes Blocked;Premature Atrial Complexes Non-conducted | An electrocardiographic finding of premature atrial complexes which are not conducted to the ventricle, and which are not followed by a QRS complex.  | Blocked Atrial Premature Complex by ECG Finding             |
| C102672         | PREMATURE ATRIAL COMPLEXES MULTIFOCAL          | Multifocal SVE;Multifocal Supraventricular Extra Beats;Premature Atrial Complexes Multiform  | An electrocardiographic finding of premature atrial complexes which have 2 or more distinct morphologies, suggesting origin at more than one atrial site.   | Multifocal Atrial Premature Complex by ECG Finding          |
| C102724         | PREMATURE ATRIAL COMPLEXES UNIFOCAL            | Premature Atrial Complexes Unifocal  | An electrocardiographic finding of premature atrial complexes which have a single distinct morphology, suggesting origin at one atrial site.  | Unifocal Atrial Premature Complex by ECG Finding            |
| C62256          | PREMATURE VENTRICULAR COMPLEX                  | PVC;VE;VPC;Ventricular Extra Beat;Ventricular premature complex(es)  | An electrocardiographic finding of an ectopic impulse originating in the ventricles. The QRS morphology of these complexes is different from those of supraventricular origin. The QRS duration is often longer and the RR interval preceding the complexes is usually shorter than that of supraventricular beats. | Ventricular Premature Complex by ECG Finding                |
| C107100         | PREMATURE VENTRICULAR COMPLEX INTERPOLATED     | Interpolated VE;Interpolated VPC;Interpolated Ventricular Extra Beat;Premature Ventricular Complexes Interpolated                      | An electrocardiographic finding of a premature ventricular complex which occurs between two normal QRS complexes which have normal timing.  | Interpolated Premature Ventricular Complex by ECG Finding   |
| C102673         | PREMATURE VENTRICULAR COMPLEXES MULTIFOCAL     | Multifocal VES;Multifocal VPCS;Multifocal Ventricular Extra Beats;Premature Ventricular Complexes Multifocal                           | An electrocardiographic finding of premature ventricular complexes which have two or more distinct morphologies, suggesting origin at more than one ventricular site.   | Multifocal Ventricular Premature Complex by ECG Finding     |

| C71150 EGSTRESC |   |  |   |   |
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| NCI Code        | CDISC Submission Value  | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
| C102725         | PREMATURE VENTRICULAR COMPLEXES UNIFOCAL                        | Premature Ventricular Complexes<br>Unifocal;Unifocal VES;Unifocal VPCS;Unifocal Ventricular Extra Beats    | An electrocardiographic finding of premature ventricular complexes which have a single distinct morphology, suggesting origin at one ventricular site.  | Unifocal Ventricular Premature Complex by ECG Finding           |
| C71034          | PROLONGED QT  | Prolonged QT;Prolonged QT interval   | An electrocardiographic finding in which the QT interval not corrected for heart rate is prolonged. Thresholds for different age, gender, and patient populations exist.  | Prolonged QT Interval by ECG Finding                            |
| C116137         | PROLONGED ST SEGMENT  |  | An electrocardiographic finding of a prolonged ST segment, resulting in a long QT interval, without lengthening of the T wave duration.   | Prolonged ST Segment by ECG Finding                             |
| C71094          | Q AXIS, LEFT AXIS DEVIATION                                     | Left-axis deviation;Q Axis, Left axis deviation;QRS axis, left axis deviation                              | An electrocardiographic finding of a frontal plane QRS axis from -30 to -90 degrees.  | Q Axis Left Axis Deviation                                      |
| C71095          | Q AXIS, RIGHT AXIS DEVIATION                                    | Q Axis, Right axis deviation;QRS axis, right axis deviation;Right-axis deviation                           | An electrocardiographic finding of a frontal plane QRS axis from +90 to +180 degrees.   | Q Axis Right Axis Deviation                                     |
| C90440          | QRS COMPLEX ABNORMALITY   | QRS Complex Abnormality  | An electrocardiographic finding of a non-specific abnormality of the QRS complex, which is atypical in shape, duration, amplitude, axis or polarity.  | QRS Complex Abnormality by ECG Finding                          |
| C83817          | QTC PROLONGATION  | QTc Prolongation   | An electrocardiographic finding in which the QTc interval corrected for heart rate is prolonged. Thresholds for different age, gender, and patient populations exist.   | Corrected Prolonged QT Interval by ECG Finding                  |
| C107098         | QTCB PROLONGATION   | PROLONGED QTcB   | An electrocardiographic finding in which the QT interval corrected for heart rate using Bazett's formula is prolonged. Thresholds for different age, gender, and patient populations exist.   | QTcB Prolongation   |
| C107099         | QTCF PROLONGATION   | PROLONGED QTcF   | An electrocardiographic finding in which the QT interval corrected for heart rate using Fridericia's formula is prolonged. Thresholds for different age, gender, and patient populations exist.   | QTcF Prolongation   |
| C114161         | QUALITY PROBLEM NOT OTHERWISE SPECIFIED                         | Unknown Quality Problem  | An electrocardiographic artifact or recording error with unknown origin or which is not described otherwise.  | Quality Problem Not Otherwise Specified by ECG Finding          |
| C61395          | R ON T PHENOMENON   | R on T phenomenon  | An electrocardiographic finding in which the R wave of a premature ventricular complex occurs on top of the T wave of the preceding beat.   | R On T Phenomenon by ECG Finding                                |
| C90444          | R WAVE NOTCHED  | R Wave Notched   | An electrocardiographic finding of an R wave variant in which there is a small deflection of the R wave, with changing polarity, within the QRS complex. (NCI)  | R Wave Notched by ECG Finding                                   |
| C102574         | REPOLARIZATION ABNORMALITY                                      | Repolarization Abnormality   | An electrocardiographic finding of an abnormality of T wave duration or morphology or of early repolarization.  | Ventricular Repolarization Abnormality                          |
| C102706         | REPOLARIZATION ABNORMALITY SECONDARY TO VENTRICULAR HYPERTROPHY | Repolarization Abnormality Secondary To Ventricular Hypertrophy;ST-T change due to ventricular hypertrophy | An electrocardiographic finding of ST depression and T wave inversion in the presence of increased QRS amplitude which are thought to be due to left ventricular hypertrophy.   | Repolarization Abnormality Secondary To Ventricular Hypertrophy |
| C71041          | RIGHT ATRIAL ABNORMALITY  | P-pulmonale;Right Atrial Enlargement   | An electrocardiographic finding suggesting underlying hypertrophy or dilatation of the right atrium. Electrocardiographic criteria used for the diagnosis of right atrial abnormality may include a peaked p wave greater than 2.5 millimeters in amplitude in the inferior leads. (NCI)  | P-pulmonale by ECG Finding                                      |
| C62270          | RIGHT BUNDLE BRANCH BLOCK                                       | Complete RBBB;Right bundle branch block;Right bundle-branch block  | An electrocardiographic finding of a wide QRS complex with evidence of delayed conduction to the right ventricle, manifest by a widened initial portion of the QRS in V1 and V2, a widened S wave in V5, V6, I and aVL, and with QRS duration greater than or equal to 120 ms. An RsR' complex is typically present in leads V1 and V2. | Right Bundle Branch Block by ECG Finding                        |
| C92235          | RIGHT VENTRICULAR CONDUCTION DELAY                              | Right Ventricular Conduction Delay;Right Ventricular Delay   | An electrocardiographic finding in which there is evidence that electrical transmission through the right ventricle is impaired with a maximal QRS duration of 110 ms and which does not meet the criteria for Incomplete Right Bundle Branch Block.  | Right Ventricular Conduction Delay by ECG Finding               |



| C71150 EGSTRESC |                               |   |   |  |
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| NCI Code        | CDISC Submission Value        | CDISC Synonym                                   | CDISC Definition  | NCI Preferred Term                           |
| C71077          | RIGHT VENTRICULAR HYPERTROPHY | Right ventricular Hypertrophy                   | An electrocardiographic finding suggestive of a hypertrophied right ventricle, characterized by large R wave amplitudes in the right precordial leads and secondary findings of right atrial enlargement, right axis deviation, and typical pattern of ST depression and T wave inversion in the right precordial leads.  | Right Ventricular Hypertrophy by ECG Finding |
| C92227          | RSR PRIME                     | RSR'  | An electrocardiographic finding in which there are two R waves, which are two deflections above the baseline resulting from a single ventricular depolarization. The first upward deflection in the complex is the R wave. The S is the first downward deflection. A second upward deflection is called the R-prime wave. | RSR' by ECG Finding                          |
| C35519          | SEPTAL MYOCARDIAL INFARCTION  | Septal myocardial infarction                    | An electrocardiographic finding suggesting an infarction in the anatomic location of the cardiac septum. (NCI)  | Septal Myocardial Infarction by ECG Finding  |
| C62246          | SHORT PR INTERVAL             | Short PR interval                               | An electrocardiographic finding of an abnormally short PR interval. Thresholds for different age, gender, and patient populations exist.  | Short PR Interval by ECG Finding             |
| C102709         | SHORT QTC INTERVAL            | Short QTc Interval                              | An electrocardiographic finding of a QT interval corrected for heart rate that is shorter than the lower limit of normal. Thresholds for different age, gender, and patient populations exist.  | Short QTc Interval                           |
| C112402         | SHORT QTcB                    |   | An electrocardiographic finding in which the QT interval corrected for heart rate using Bazett's formula is shortened. Thresholds for different age, gender, and patient populations exist.   | QTcB Shortened                               |
| C112403         | SHORT QTcF                    |   | An electrocardiographic finding in which the QT interval corrected for heart rate using Fridericia's formula is shortened. Thresholds for different age, gender, and patient populations exist.   | QTcF Shortened                               |
| C116136         | SHORT ST SEGMENT              |   | An electrocardiographic finding of a short or absent ST segment, resulting in a short QT interval, without changes in T wave morphology.  | Short ST Segment by ECG Finding              |
| C50553          | SINOATRIAL EXIT BLOCK         | SA Block;Sinoatrial Block;Sinoatrial exit block | An electrocardiographic finding in which impaired conduction or automaticity within the sinus node results in the failure of impulse transmission from the sinoatrial node. This is manifest as dropped P waves during sinus rhythm.  | Exit Block by ECG Finding                    |
| C62242          | SINUS ARREST/PAUSE            | Sinus arrest/pause;Sinus pause or arrest        | An electrocardiographic finding in which a failure of impulse formation or conduction in the sinus node produces prolongation of the P-P interval or dropped P waves. The threshold for the prolongation of the P-P interval is not well defined.   | Sinus Arrest by ECG Finding                  |
| C62239          | SINUS ARRHYTHMIA              | Respiratory Sinus Arrhythmia;Sinus arrhythmia   | An electrocardiographic finding in which the sinus rate fluctuates with the respiratory cycle.  | Sinus Arrhythmia by ECG Finding              |
| C111097         | SINUS BRADYCARDIA             | Sinus bradycardia                               | An electrocardiographic finding of abnormally slow heart rate with its origin in the sinus node. Thresholds for different age, gender, and patient populations exist.   | Sinus Bradycardia by ECG Finding             |
| C100076         | SINUS RHYTHM                  | Sinus Rhythm                                    | An electrocardiographic finding of an atrial rhythm which originates from the sinoatrial node that is considered normal for the population.   | Sinus Rhythm                                 |
| C111104         | SINUS TACHYCARDIA             | Sinus tachycardia                               | An electrocardiographic finding of abnormally rapid heart rate with its origin in the sinus node. Thresholds for different age, gender, and patient populations exist.  | Sinus Tachycardia by ECG Finding             |
| C41330          | ST DEPRESSION                 | ST depression                                   | An electrocardiographic finding of ST segment depression below the baseline, often described as up sloping, down sloping or horizontal. (NCI)   | ST Segment Depression by ECG Finding         |
| C50540          | ST ELEVATION                  | ST elevation                                    | An electrocardiographic finding of ST segment elevation above the baseline. (NCI)   | ST Segment Elevation by ECG Finding          |
| C71029          | ST ELEVATION PERICARDITIS     | ST elevation pericarditis                       | An electrocardiographic finding of ST elevation which is concave upwards, and which is often accompanied by PR segment depression.  | ST Elevation Pericarditis by ECG Finding     |
| C119252         | SUPRAVENTRICULAR COUPLET      |   | An electrocardiographic finding in which two premature atrial complexes occur sequentially.   | Supraventricular Couplet by ECG Finding      |

| C71150 EGSTRESC |  |  |  |   |
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| NCI Code        | CDISC Submission Value   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C111100         | SUPRAVENTRICULAR TACHYCARDIA   | Supraventricular tachycardia                                     | An electrocardiographic finding of a tachycardia which does not originate in the ventricles or His Purkinje system. There is an abnormally high heart rate and QRS complexes are typically narrow, but aberration or preexcitation may be present.   | Supraventricular Tachycardia by ECG Finding   |
| C114173         | SUSPECT LIMB ELECTRODES REVERSED, INTERPRETATION ASSUMES NO REVERSAL |  | An electrocardiographic recording in which an interchange of one or more limb lead electrodes is suspected, but for which an interpretation is performed as though the lead placement is correct.  | Suspicion of Limb Electrodes Reversal But Interpretation Assumes No Reversal by ECG Finding |
| C114174         | SUSPECT LIMB ELECTRODES REVERSED, INTERPRETATION ASSUMES REVERSAL    |  | An electrocardiographic recording in which an interchange of one or more limb lead electrodes is suspected, and for which an interpretation is performed as though the leads have in fact been interchanged.   | Suspicion of Limb Electrodes Reversal But Interpretation Assumes Reversal by ECG Finding    |
| C71052          | SUSTAINED VENTRICULAR TACHYCARDIA                                    | Sustained ventricular tachycardia                                | An electrocardiographic finding of ventricular tachycardia greater than 30 seconds in duration. (NCI)  | Sustained Ventricular Tachycardia by ECG Finding  |
| C102718         | T WAVE ALTERNANS   | T Wave Alternans   | An electrocardiographic finding in which there are variations in the shape, amplitude, or direction of the T wave from one beat to the next.   | T Wave Alternans by ECG Finding   |
| C71085          | T WAVE INVERSION   | T Wave Inversion   | An electrocardiographic finding of an inversion of the T wave from the expected axis. (NCI)  | T Wave Inversion by ECG Finding   |
| C71086          | T WAVE PEAKED  | T wave peaked  | An electrocardiographic finding in which the T wave appears increased in amplitude and cresting at a point. (NCI)  | T Wave Peaked by ECG Finding  |
| C71087          | T WAVES BIPHASIC   | T waves biphasic   | An electrocardiographic finding of a T wave with both positive and negative components.  | T Waves Biphasic by ECG Finding   |
| C71088          | T WAVES FLAT   | T waves flat   | An electrocardiographic finding in which the T wave appears decreased in amplitude. (NCI)  | T Waves Flat by ECG Finding   |
| C111121         | TACHYCARDIA  | Tachycardia  | An electrocardiographic finding of abnormally rapid heart rate. Thresholds for different age, gender, and patient populations exist.   | Tachycardia by ECG Finding  |
| C50779          | TORSADES DE POINTES  | Torsades de pointes;Ventricular tachycardia, torsades de pointes | An electrocardiographic finding of an atypical rapid polymorphic ventricular tachycardia with a characteristic rotation of the QRS complex around the isoelectric baseline, occurring in the setting of a prolonged QT interval. In addition, the QRS complex displays a periodic waxing and waning of amplitude on the electrogram. | Torsades De Pointes by ECG Finding  |
| C106579         | U WAVE ABNORMALITY   | Abnormal U Wave  | An electrocardiographic finding of U waves which have increased amplitude, are inverted, or merged with the preceding T wave.  | U Wave Abnormality by ECG Finding   |
| C114170         | UNABLE TO DIGITIZE ECG LEADS   |  | A statement indicating the inability to digitize a paper ECG.  | Inability to Digitize ECG Leads   |
| C116131         | UNDETERMINED RHYTHM  |  | An electrocardiographic finding of a cardiac rhythm whose mechanism cannot be determined from the ECG.   | Undetermined Rhythm by ECG Finding  |
| C120607         | UNDETERMINED SUPRAVENTRICULAR RHYTHM                                 |  | An electrocardiographic finding of a rhythm which does not originate in the ventricles or His Purkinje system, but whose specific electrophysiologic mechanism cannot be determined from the ECG. The QRS complexes are typically narrow, but aberration or preexcitation may be present.  | Undetermined Supraventricular Rhythm by ECG Finding   |
| C71054          | VENTRICULAR BIGEMINY   | Bigeminy   | An electrocardiographic finding of a normal QRS complex followed by a premature ventricular complex for 3 or more consecutive cycles; a regularly irregular rhythm of normal and abnormal QRS complexes in a 1-1 ratio.  | Ventricular Bigeminy by ECG Finding   |
| C62259          | VENTRICULAR COUPLET  | Ventricular Pair;Ventricular couplet                             | An electrocardiographic finding in which two premature ventricular complexes occur sequentially.   | Ventricular Couplet by ECG Finding  |
| C90483          | VENTRICULAR ESCAPE BEAT  | Ventricular Escape Beat;Ventricular escape complex(es)           | An electrocardiographic finding of a compensatory ventricular complex that occurs following a prolonged RR interval.   | Ventricular Escape Beat by ECG Finding  |
| C111102         | VENTRICULAR FIBRILLATION   | Ventricular fibrillation   | An electrocardiographic finding of a rapid grossly irregular ventricular rhythm with marked variability in QRS cycle length, morphology, and amplitude. The rate is typically greater than 300 bpm.  | Ventricular Fibrillation by ECG Finding   |

| C71150 EGSTRESC |                                      |  |  |  |
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| NCI Code        | CDISC Submission Value               | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                 |
| C111115         | VENTRICULAR FLUTTER                  | Ventricular flutter  | A ventricular tachyarrhythmia characterized by a high ventricular rate (180 to 250 beats per minute) with a regular rhythm. The electrocardiogram shows large oscillating sine wave-like complexes occurring as a result of QRS complexes and T waves being merged. The P wave is not visible. (NCI) | Ventricular Flutter by ECG Finding                 |
| C102728         | VENTRICULAR PARASYSTOLE              | Parasystole;Ventricular Parasystole  | An electrocardiographic finding of normal sinus rhythm coexisting with a regular ectopic ventricular rhythm.   | Ventricular Parasystole by ECG Finding             |
| C111103         | VENTRICULAR TACHYCARDIA              | Ventricular tachycardia  | An electrocardiographic finding of three or more consecutive complexes of ventricular origin with a rate greater than a certain threshold (100 or 120 beats per minute are commonly used). The QRS complexes are wide and have an abnormal morphology.   | Ventricular Tachycardia by ECG Finding             |
| C62234          | VENTRICULAR TACHYCARDIA, MONOMORPHIC | Ventricular tachycardia, monomorphic                                       | An electrocardiographic finding of a ventricular tachycardia in which the QRS complexes have a uniform morphology.   | Monomorphic Ventricular Tachycardia by ECG Finding |
| C62236          | VENTRICULAR TACHYCARDIA, POLYMORPHIC | Ventricular tachycardia, polymorphic;Ventricular tachycardia, polymorphous | An electrocardiographic finding of a ventricular tachycardia in which the QRS complexes have a variable morphology and often rate.   | Polymorphic Ventricular Tachycardia by ECG Finding |
| C71055          | VENTRICULAR TRIGEMINY                | Trigeminy  | An electrocardiographic finding of two normal QRS complexes followed by a premature ventricular complex for 3 or more consecutive cycles; a regularly irregular rhythm of normal and abnormal QRS complexes in a 2-1 ratio.  | Ventricular Trigeminy by ECG Finding               |
| C62240          | WANDERING ATRIAL PACEMAKER           | Wandering atrial pacemaker   | An electrocardiographic finding of a supraventricular arrhythmia characterized by 3 or more distinct P wave morphologies with an isoelectric baseline, variable PR intervals and no predominant atrial rhythm. The ventricular rate is typically below 100 beats per minute.                         | Wandering Atrial Pacemaker by ECG Finding          |
| C71090          | WIDE QRS TACHYCARDIA                 | Wide QRS tachycardia;Wide-QRS tachycardia                                  | An electrocardiographic finding of three or more consecutive wide QRS complexes of uncertain origin with a rate greater than a certain threshold (100 or 120 beats per minute are commonly used).  | Wide QRS Tachycardia by ECG Finding                |
| C35132          | WOLFF-PARKINSON-WHITE SYNDROME       | WPW;Wolff-Parkinson-White syndrome   | An electrocardiographic finding of ventricular pre-excitation. The syndrome is characterized by a short PR interval and a long QRS interval with a delta wave.   | Wolff-Parkinson-White Syndrome                     |

## EGTEST (ECG Test Name)

NCI Code: C71152, Codelist extensible: Yes

| C71152 EGTEST |                                      |                                      |  |   |
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| NCI Code      | CDISC Submission Value               | CDISC Synonym                        | CDISC Definition   | NCI Preferred Term                                |
| C116140       | Acute Myocardial Ischemia ECG Change | Acute Myocardial Ischemia ECG Change | An electrocardiographic finding assessment of new or presumed new significant ST-segment-T wave (ST-T) changes or new left bundle branch block consistent with acute myocardial ischemia. (Thygesen K, Alpert JS, Jaffe AS, et al.: the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction. J Am Coll Cardiol 60(16):1-18, 2012) | Acute Myocardial Ischemia by ECG Assessment       |
| C111131       | Atrioventricular Conduction          | Atrioventricular Conduction          | An electrocardiographic assessment of cardiac atrioventricular conduction.   | Atrioventricular Conduction ECG Assessment        |
| C111132       | Axis and Voltage                     | Axis and Voltage                     | An electrocardiographic assessment of mean cardiac electrical vector and the ECG voltage.  | Axis and Voltage ECG Assessment                   |
| C111155       | Chamber Hypertrophy or Enlargement   | Chamber Hypertrophy or Enlargement   | An electrocardiographic assessment of chamber hypertrophy or enlargement.  | Chamber Hypertrophy or Enlargement ECG Assessment |
| C117761       | Comparison to a Prior ECG            | Comparison to a Prior ECG            | A comparative interpretation of an ECG relative to a previous (comparator) ECG. The definition of the comparator ECG may be specified elsewhere. Common comparator result values include improved, no change, deteriorated.  | Comparison to a Prior ECG                         |
| C119253       | ECG Maximum Atrial Rate              | ECG Maximum Atrial Rate              | An electrocardiographic measurement of the maximum rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Maximum Atrial Rate by Electrocardiogram          |
| C119257       | ECG Maximum Heart Rate               | ECG Maximum Heart Rate               | An electrocardiographic measurement of the maximum rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the maximum ventricular rate.   | Maximum Heart Rate by Electrocardiogram           |
| C119260       | ECG Maximum Ventricular Rate         | ECG Maximum Ventricular Rate         | An electrocardiographic measurement of the maximum rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.   | Maximum Ventricular Rate by Electrocardiogram     |
| C119256       | ECG Mean Atrial Rate                 | ECG Mean Atrial Rate                 | An electrocardiographic measurement of the average rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Mean Atrial Rate by Electrocardiogram             |
| C119259       | ECG Mean Heart Rate                  | ECG Mean Heart Rate                  | An electrocardiographic measurement of the average rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the mean ventricular rate.  | Mean Heart Rate by Electrocardiogram              |
| C119263       | ECG Mean Ventricular Rate            | ECG Mean Ventricular Rate            | An electrocardiographic measurement of the average rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.   | Mean Ventricular Rate by Electrocardiogram        |
| C119254       | ECG Median Atrial Rate               | ECG Median Atrial Rate               | An electrocardiographic measurement of the median rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.   | Median Atrial Rate by Electrocardiogram           |
| C123447       | ECG Median Heart Rate                | ECG Median Heart Rate                | An electrocardiographic measurement of the median rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the median ventricular rate.   | ECG Median Heart Rate                             |
| C119261       | ECG Median Ventricular Rate          | ECG Median Ventricular Rate          | An electrocardiographic measurement of the median rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.  | Median Ventricular Rate by Electrocardiogram      |
| C119255       | ECG Minimum Atrial Rate              | ECG Minimum Atrial Rate              | An electrocardiographic measurement of the minimum rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Minimum Atrial Rate by Electrocardiogram          |

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| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C119258       | ECG Minimum Heart Rate                  | ECG Minimum Heart Rate                  | An electrocardiographic measurement of the minimum rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the minimum ventricular rate.  | Minimum Heart Rate by Electrocardiogram                    |
| C119262       | ECG Minimum Ventricular Rate            | ECG Minimum Ventricular Rate            | An electrocardiographic measurement of the minimum rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.  | Minimum Ventricular Rate by Electrocardiogram              |
| C41255        | Interpretation                          | Interpretation                          | An act or process of elucidation; explication, or explanation of the meaning of the event or thing via the assignment of objects from the domain to the constants of a formal language, truth-values to the proposition symbols, truth-functions to the connectives, other functions to the function symbols, and extensions to the predicates, if any. The assignments are result of human logic application and are not native to the symbols of the formal language. | Interpretation   |
| C111238       | Intraventricular-Intraatrial Conduction | Intraventricular-Intraatrial Conduction | An electrocardiographic assessment of intraventricular and intra-atrial conduction.   | Intraventricular and Intraatrial Conduction ECG Assessment |
| C117767       | J-Tpeak Interval, Aggregate             | J-Tpeak Interval, Aggregate             | An aggregate J-Tpeak value based on the measurement of J-Tpeak intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate J-T Peak Interval                                |
| C117768       | J-Tpeak Interval, Single Beat           | J-Tpeak Interval, Single Beat           | An electrocardiographic interval measured from the J point to the peak of the T wave of a single beat utilizing one or more leads.  | Single Beat J-T Peak Interval                              |
| C117762       | JT Interval, Aggregate                  | JT Interval, Aggregate                  | An aggregate JT value based on the measurement of JT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate JT Interval                                      |
| C117769       | JT Interval, Single Beat                | JT Interval, Single Beat                | An electrocardiographic interval measured from the J point to the offset of the T wave of a single beat utilizing one or more leads.  | Single Beat JT Interval                                    |
| C117763       | JTcB Interval, Aggregate                | JTcB Interval, Aggregate                | A JT aggregate interval that is corrected for heart rate using Bazett's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate JTcB Interval                                    |
| C117764       | JTcB Interval, Single Beat              | JTcB Interval, Single Beat              | A JT single beat interval that is corrected for heart rate using Bazett's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.  | Single Beat JTcB Interval                                  |
| C117765       | JTcF Interval, Aggregate                | JTcF Interval, Aggregate                | A JT aggregate interval that is corrected for heart rate using Fridericia's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate JTcF Interval                                    |
| C117766       | JTcF Interval, Single Beat              | JTcF Interval, Single Beat              | A JT single beat interval that is corrected for heart rate using Fridericia's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.  | Single Beat JTcF Interval                                  |
| C111280       | Myocardial Infarction                   | Myocardial Infarction                   | An electrocardiographic assessment of findings suggestive of myocardial infarction.   | Myocardial Infarction ECG Assessment                       |
| C117770       | New Q Wave                              | New Q Wave                              | An electrocardiographic finding assessment of new or presumed new pathologic Q waves suggestive of myocardial infarction. (Thygesen K, Alpert JS, Jaffe AS, et al.: the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction. J Am Coll Cardiol 60(16):1-18, 2012).   | New Q Wave   |
| C117777       | P Wave Amplitude, Aggregate             | P Wave Amplitude, Aggregate             | An aggregate P wave amplitude value based on the measurement of P wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate P Wave Amplitude                                 |

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| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term                         |
| C117778       | P Wave Amplitude, Single Beat           | P Wave Amplitude, Single Beat           | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the P wave measured from the isoelectric baseline to the peak of the P wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | Single Beat P Wave Amplitude               |
| C118164       | P Wave Axis                             | P Wave Axis                             | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the P wave from the isoelectric baseline, usually reported for the frontal plane.  | P Wave Axis                                |
| C117775       | P Wave Duration, Aggregate              | P Wave Duration, Aggregate              | An aggregate P wave duration value based on the measurement of P wave duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate P Wave Duration                  |
| C117776       | P Wave Duration, Single Beat            | P Wave Duration, Single Beat            | An electrocardiographic interval measured from the onset of the P wave to the offset of the P wave of a single beat utilizing one or more leads.  | Single Beat P Wave Duration                |
| C111285       | Pacemaker                               | Pacemaker                               | An electrocardiographic assessment of presence of artificial electronic pacing.   | Pacemaker ECG Assessment                   |
| C117771       | PP Interval, Aggregate                  | PP Interval, Aggregate                  | An aggregate PP value based on the measurement of PP intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate PP Interval                      |
| C117772       | PP Interval, Single Measurement         | PP Interval, Single Measurement         | An electrocardiographic measurement of the interval between the onsets of two consecutive P waves.  | Single Measurement PP Interval             |
| C117773       | PR Interval, Aggregate                  | PR Interval, Aggregate                  | An aggregate PR value based on the measurement of PR intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate PR Interval                      |
| C117774       | PR Interval, Single Beat                | PR Interval, Single Beat                | An electrocardiographic interval measured from the onset of the P wave to the onset of the QRS complex of a single beat utilizing one or more leads.  | Single Beat PR Interval                    |
| C117789       | Q Wave Amplitude, Aggregate             | Q Wave Amplitude, Aggregate             | An aggregate Q wave amplitude value based on the measurement of Q wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate Q Wave Amplitude                 |
| C117790       | Q Wave Amplitude, Single Beat           | Q Wave Amplitude, Single Beat           | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the Q wave measured from the isoelectric baseline to the peak of the Q wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | Single Beat Q Wave Amplitude               |
| C118165       | QRS Axis                                | QRS Axis                                | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the QRS complex from the isoelectric baseline, usually reported for the frontal plane.   | QRS Axis                                   |
| C117779       | QRS Duration, Aggregate                 | QRS Duration, Aggregate                 | An aggregate QRS value based on the measurement of QRS intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QRS Duration                     |
| C117780       | QRS Duration, Single Beat               | QRS Duration, Single Beat               | An electrocardiographic interval measured from the onset of the QRS complex to the offset of the QRS complex of a single beat utilizing one or more leads.  | Single Beat QRS Duration                   |
| C117781       | QRS Duration, Ventr. Paced, Aggregate   | QRS Duration, Ventr. Paced, Aggregate   | An aggregate paced QRS duration value based on the measurement of paced QRS duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Paced Ventricular Aggregate QRS Duration   |
| C117782       | QRS Duration, Ventr. Paced, Single Beat | QRS Duration, Ventr. Paced, Single Beat | An electrocardiographic interval measured from the onset of the paced QRS complex to the offset of the QRS complex of a single beat utilizing one or more leads.  | Paced Ventricular Single Beat QRS Duration |
| C117783       | QT Interval, Aggregate                  | QT Interval, Aggregate                  | An aggregate QT value based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QT Interval                      |

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| C117788       | QT Interval, Single Beat          | QT Interval, Single Beat          | An electrocardiographic interval measured from the onset of the QRS complex to the offset of the T wave of a single beat utilizing one or more leads.  | Single Beat QT Interval                       |
| C100391       | QTc Correction Method Unspecified | QTc Correction Method Unspecified | A QT interval that is corrected for heart rate by unspecified correction method.   | Corrected QT Interval                         |
| C124332       | QTca Interval, Aggregate          | QTca Interval, Aggregate          | A QT Aggregate interval that is corrected for heart rate using individual probabilistic QT/RR slopes for each subject, based on the measurement of QT intervals from multiple beats within a single ECG or period of a continuous ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean. | Aggregate QTca Interval                       |
| C124333       | QTca Interval, Single Beat        | QTca Interval, Single Beat        | A QT interval that is corrected for heart rate using individual probabilistic QT/RR slopes for each subject, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTca Interval                     |
| C117784       | QTcB Interval, Aggregate          | QTcB Interval, Aggregate          | A QT aggregate interval that is corrected for heart rate using Bazett's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QTcB Interval                       |
| C117785       | QTcB Interval, Single Beat        | QTcB Interval, Single Beat        | A QT single beat interval that is corrected for heart rate using Bazett's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTcB Interval                     |
| C117786       | QTcF Interval, Aggregate          | QTcF Interval, Aggregate          | A QT aggregate interval that is corrected for heart rate using Fridericia's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QTcF Interval                       |
| C117787       | QTcF Interval, Single Beat        | QTcF Interval, Single Beat        | A QT single beat interval that is corrected for heart rate using Fridericia's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTcF Interval                     |
| C123448       | QTcL Interval, Aggregate          | QTcL Interval, Aggregate          | A QT aggregate interval corrected for heart rate using a linear correction formula.  | Aggregate QTcL Interval                       |
| C123449       | QTcL Interval, Single Beat        | QTcL Interval, Single Beat        | A QT single beat interval corrected for heart rate using a linear correction formula.  | Single Beat QTcL Interval                     |
| C123450       | QTcV Interval, Aggregate          | QTcV Interval, Aggregate          | A QT aggregate interval corrected for heart rate using the Van der Water's correction formula.   | Aggregate QTcV Interval                       |
| C123451       | QTcV Interval, Single Beat        | QTcV Interval, Single Beat        | A QT single beat interval corrected for heart rate using the Van der Water's correction formula.   | Single Beat QTcV Interval                     |
| C117795       | R Wave Amplitude, Aggregate       | R Wave Amplitude, Aggregate       | An aggregate R wave amplitude value based on the measurement of R wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | R Wave Amplitude Aggregate                    |
| C117796       | R Wave Amplitude, Single Beat     | R Wave Amplitude, Single Beat     | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the R wave measured from the isoelectric baseline to the peak of the R wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.  | R Wave Amplitude Single Beat                  |
| C111307       | Rhythm Not Otherwise Specified    | Rhythm Not Otherwise Specified    | An electrocardiographic assessment of cardiac rhythm not otherwise specified.  | Rhythm Not Otherwise Specified ECG Assessment |
| C117791       | RR Interval, Aggregate            | RR Interval, Aggregate            | An aggregate RR value based on the measurement of RR intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate RR Interval                         |
| C117792       | RR Interval, Single Measurement   | RR Interval, Single Measurement   | An electrocardiographic measurement of the interval between two consecutive R waves. If R waves are not present, this measurement may utilize the interval between the most easily identified components of the QRS complex within two consecutive beats.  | RR Interval Single Measurement                |

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| C117793              | RS Wave Amplitude, Aggregate       | RS Wave Amplitude, Aggregate       | An aggregate RS wave amplitude value based on measurements from multiple beats from a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | RS Wave Amplitude Aggregate                              |
| C117794              | RS Wave Amplitude, Single Beat     | RS Wave Amplitude, Single Beat     | An electrocardiographic measurement of the sum of the amplitudes of the R and S waves, obtained from a single beat in one particular lead or set of leads.  | RS Wave Amplitude Single Beat                            |
| C117805              | S Wave Amplitude, Aggregate        | S Wave Amplitude, Aggregate        | An aggregate S wave amplitude value based on the measurement of S wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | S Wave Amplitude Aggregate                               |
| C117806              | S Wave Amplitude, Single Beat      | S Wave Amplitude, Single Beat      | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the S wave measured from the isoelectric baseline to the peak of the S wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.                                   | S Wave Amplitude Single Beat                             |
| C120608              | Single RR Heart Rate               | Single RR Heart Rate               | An electrocardiographic measurement of a heart rate derived from a single RR interval (interval between two consecutive QRS complexes).   | Single Beat RR Extrapolated Heart Rate by ECG Assessment |
| C111312              | Sinus Node Rhythms and Arrhythmias | Sinus Node Rhythms and Arrhythmias | An electrocardiographic assessment of sinus node rhythms and arrhythmias.   | Sinus Node Rhythm and Arrhythmia ECG Assessment          |
| C117797              | ST Segment Depression, Aggregate   | ST Segment Depression, Aggregate   | An aggregate ST segment depression value based on the measurement of ST segment depression from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Depression Aggregate                          |
| C117798              | ST Segment Depression, Single Beat | ST Segment Depression, Single Beat | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment depression below the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.         | ST Segment Depression Single Beat                        |
| C117799              | ST Segment Deviation, Aggregate    | ST Segment Deviation, Aggregate    | An aggregate ST segment deviation value based on the measurement of ST segment deviation from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Deviation Aggregate                           |
| C117800              | ST Segment Deviation, Single Beat  | ST Segment Deviation, Single Beat  | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment deviation above or below the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | ST Segment Deviation Single Beat                         |
| C117803              | ST Segment Duration, Aggregate     | ST Segment Duration, Aggregate     | An aggregate ST segment duration value based on the measurement of ST segment duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Duration Aggregate                            |
| C117804              | ST Segment Duration, Single Beat   | ST Segment Duration, Single Beat   | An electrocardiographic interval measured from the J point to the onset of the T wave of a single beat utilizing one or more leads.   | ST Segment Duration Single Beat                          |
| C117801              | ST Segment Elevation, Aggregate    | ST Segment Elevation, Aggregate    | An aggregate ST segment elevation value based on the measurement of ST segment elevation from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Elevation Aggregate                           |
| C117802              | ST Segment Elevation, Single Beat  | ST Segment Elevation, Single Beat  | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment elevation above the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.          | ST Segment Elevation Single Beat                         |
| C111363              | ST Segment, T wave, and U wave     | ST Segment, T wave, and U wave     | An electrocardiographic assessment of the characteristics of the ST segment, T wave, and U wave.  | ST Segment, T wave, and U wave ECG Assessment            |



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| C62117               | Summary (Max) JT Interval     | Summary (Max) JT Interval   | The maximum duration (time) of the JT interval, obtained from a set of measurements of the JT interval. The JT interval is defined as the time from the J point (end of ventricular depolarization, the point at which the QRS meets the ST segment) to the end of the T wave (representing the end of ventricular repolarization). (NCI)  | Maximum JT Duration                          |
| C62131               | Summary (Max) PR Duration     | Summary (Max) PR Duration   | The maximum duration (time) of the PR interval, obtained from a set of measurements of the PR interval. The PR interval is defined as the time from the beginning of the P wave (representing the onset of atrial depolarization) to the beginning of the R wave (representing the onset of ventricular depolarization). In some cases, a Q wave will precede the R wave, in which case the PR interval is measured from the beginning of the P wave to the beginning of the Q wave. (NCI) | Maximum PR Duration                          |
| C62135               | Summary (Max) QT Duration     | Summary (Max) QT Duration   | The maximum duration (time) of the QT interval, obtained from a set of measurements of the QT interval. The QT interval is defined as the time from the beginning of the QRS complex to the end of the T wave, representing the time it takes for the ventricles to depolarize and subsequently repolarize. In some cases, the Q wave will be absent, in which case the QT interval is measured from the beginning of the R wave to the end of the T wave. (NCI)                           | Maximum QT Duration                          |
| C62094               | Summary (Max) RR Duration     | Summary (Max) RR Duration   | The maximum duration (time) between successive peaks of R waves in a particular set of RR intervals. (NCI)   | Maximum RR Duration                          |
| C62163               | Summary (Max) ST Depression   | Summary (Max) ST Depression | The maximum depression (negative deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the depression of the ST segment. (NCI)   | Maximum ST Segment Depression by ECG Finding |
| C62157               | Summary (Max) ST Deviation    | Summary (Max) ST Deviation  | The maximum deviation (distance from baseline, positive or negative, usually measured in mm) of the ST segment, obtained from a set of measurements of the deviation of the ST segment. (NCI)  | Maximum ST Deviation                         |
| C62160               | Summary (Max) ST Elevation    | Summary (Max) ST Elevation  | The maximum elevation (positive deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the elevation of the ST segment. (NCI)   | Maximum ST Segment Elevation                 |
| C62116               | Summary (Min) JT Interval     | Summary (Min) JT Interval   | The minimum duration (time) of the JT interval, obtained from a set of measurements of the JT interval. The JT interval is defined as the time from the J point (end of ventricular depolarization, the point at which the QRS meets the ST segment) to the end of the T wave (representing the end of ventricular repolarization). (NCI)  | Minimum JT Duration                          |
| C62125               | Summary (Min) PR Duration     | Summary (Min) PR Duration   | The minimum duration (time) of the PR interval, obtained from a set of measurements of the PR interval. The PR interval is defined as the time from the beginning of the P wave (representing the onset of atrial depolarization) to the beginning of the R wave (representing the onset of ventricular depolarization). In some cases, a Q wave will precede the R wave, in which case the PR interval is measured from the beginning of the P wave to the beginning of the Q wave. (NCI) | Minimum PR Duration                          |
| C62133               | Summary (Min) QT Duration     | Summary (Min) QT Duration   | The minimum duration (time) of the QT interval, obtained from a set of measurements of the QT interval. The QT interval is defined as the time from the beginning of the QRS complex to the end of the T wave, representing the time it takes for the ventricles to depolarize and subsequently repolarize. In some cases, the Q wave will be absent, in which case the QT interval is measured from the beginning of the R wave to the end of the T wave. (NCI)                           | Minimum QT Duration                          |
| C62093               | Summary (Min) RR Duration     | Summary (Min) RR Duration   | The minimum duration (time) between successive peaks of R waves in a particular set of RR intervals. (NCI)   | Minimum RR Duration                          |
| C62162               | Summary (Min) ST Depression   | Summary (Min) ST Depression | The minimum depression (negative deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the depression of the ST segment. (NCI)   | Minimum ST Segment Depression by ECG Finding |
| C62156               | Summary (Min) ST Deviation    | Summary (Min) ST Deviation  | The minimum deviation (distance from baseline, positive or negative, usually measured in mm) of the ST segment, obtained from a set of measurements of the deviation of the ST segment. (NCI)  | Minimum ST Deviation                         |

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| C62159        | Summary (Min) ST Elevation        | Summary (Min) ST Elevation        | The minimum elevation (positive deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the elevation of the ST segment. (NCI)  | Minimum ST Segment Elevation                    |
| C111320       | Supraventricular Arrhythmias      | Supraventricular Arrhythmias      | An electrocardiographic assessment of supraventricular arrhythmias excluding tachycardias.  | Supraventricular Arrhythmia ECG Assessment      |
| C111321       | Supraventricular Tachyarrhythmias | Supraventricular Tachyarrhythmias | An electrocardiographic assessment of supraventricular tachyarrhythmias.  | Supraventricular Tachyarrhythmia ECG Assessment |
| C117814       | T Wave Amplitude, Aggregate       | T Wave Amplitude, Aggregate       | An aggregate T wave amplitude value based on the measurement of T wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | T Wave Amplitude Aggregate                      |
| C117815       | T Wave Amplitude, Single Beat     | T Wave Amplitude, Single Beat     | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the T wave measured from the isoelectric baseline to the peak of the T wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | T Wave Amplitude Single Beat                    |
| C117810       | T Wave Area, Aggregate            | T Wave Area, Aggregate            | An aggregate T wave area value based on the measurement of T wave areas from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | T Wave Area Aggregate                           |
| C117811       | T Wave Area, Single Beat          | T Wave Area, Single Beat          | An electrocardiographic measurement of the area of the T wave of a single beat utilizing one or more leads.   | T Wave Area Single Beat                         |
| C118166       | T Wave Axis                       | T Wave Axis                       | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the T wave from the isoelectric baseline, usually reported for the frontal plane.  | T Wave Axis                                     |
| C117812       | T Wave Duration, Aggregate        | T Wave Duration, Aggregate        | An aggregate T wave duration value based on the measurement of T wave duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | T Wave Duration Aggregate                       |
| C117813       | T Wave Duration, Single Beat      | T Wave Duration, Single Beat      | An electrocardiographic interval measured from the onset of the T wave to the offset of the T wave of a single beat utilizing one or more leads.  | T Wave Duration Single Beat                     |
| C117807       | Technical Quality                 | Technical Quality                 | A statement about an electrocardiographic recording describing technical issues or interference during the recording, processing, or transmission of the data. This does not represent an electrocardiographic diagnosis.   | ECG Technical Quality                           |
| C117808       | Tpeak-Tend Interval, Aggregate    | Tpeak-Tend Interval, Aggregate    | An aggregate Tpeak-Tend value based on the measurement of Tpeak-Tend from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | T Peak-T End Interval Aggregate                 |
| C117809       | Tpeak-Tend Interval, Single Beat  | Tpeak-Tend Interval, Single Beat  | An electrocardiographic interval measured from the peak of the T wave to the offset of the T wave of a single beat utilizing one or more leads.   | T Peak-T End Interval Single Beat               |
| C111330       | Ventricular Arrhythmias           | Ventricular Arrhythmias           | An electrocardiographic assessment of ventricular arrhythmias excluding tachycardias.   | Ventricular Arrhythmia ECG Assessment           |
| C111331       | Ventricular Tachyarrhythmias      | Ventricular Tachyarrhythmias      | An electrocardiographic assessment of ventricular tachyarrhythmias.   | Ventricular Tachyarrhythmia ECG Assessment      |

## EGTESTCD (ECG Test Code)

NCI Code: C71153, Codelist extensible: Yes

| C71153 EGTESTCD |                        |                                      |  |  |
|-----------------|------------------------|--------------------------------------|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                        | CDISC Definition   | NCI Preferred Term                                       |
| C116140         | AMIEGCHG               | Acute Myocardial Ischemia ECG Change | An electrocardiographic finding assessment of new or presumed new significant ST-segment-T wave (ST-T) changes or new left bundle branch block consistent with acute myocardial ischemia. (Thygesen K, Alpert JS, Jaffe AS, et al.: the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction. J Am Coll Cardiol 60(16):1-18, 2012) | Acute Myocardial Ischemia by ECG Assessment              |
| C111131         | AVCOND                 | Atrioventricular Conduction          | An electrocardiographic assessment of cardiac atrioventricular conduction.   | Atrioventricular Conduction ECG Assessment               |
| C111132         | AXISVOLT               | Axis and Voltage                     | An electrocardiographic assessment of mean cardiac electrical vector and the ECG voltage.  | Axis and Voltage ECG Assessment                          |
| C111155         | CHYPTEENL              | Chamber Hypertrophy or Enlargement   | An electrocardiographic assessment of chamber hypertrophy or enlargement.  | Chamber Hypertrophy or Enlargement ECG Assessment        |
| C119253         | EGARMAX                | ECG Maximum Atrial Rate              | An electrocardiographic measurement of the maximum rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Maximum Atrial Rate by Electrocardiogram                 |
| C119254         | EGARMED                | ECG Median Atrial Rate               | An electrocardiographic measurement of the median rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.   | Median Atrial Rate by Electrocardiogram                  |
| C119255         | EGARMIN                | ECG Minimum Atrial Rate              | An electrocardiographic measurement of the minimum rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Minimum Atrial Rate by Electrocardiogram                 |
| C119256         | EGARMN                 | ECG Mean Atrial Rate                 | An electrocardiographic measurement of the average rate of atrial depolarizations (P waves) recorded during an interval of time, usually expressed in beats per minute.  | Mean Atrial Rate by Electrocardiogram                    |
| C117761         | EGCOMP                 | Comparison to a Prior ECG            | A comparative interpretation of an ECG relative to a previous (comparator) ECG. The definition of the comparator ECG may be specified elsewhere. Common comparator result values include improved, no change, deteriorated.  | Comparison to a Prior ECG                                |
| C119257         | EGHRMAX                | ECG Maximum Heart Rate               | An electrocardiographic measurement of the maximum rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the maximum ventricular rate.   | Maximum Heart Rate by Electrocardiogram                  |
| C123447         | EGHRMED                | ECG Median Heart Rate                | An electrocardiographic measurement of the median rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the median ventricular rate.   | ECG Median Heart Rate                                    |
| C119258         | EGHRMIN                | ECG Minimum Heart Rate               | An electrocardiographic measurement of the minimum rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the minimum ventricular rate.   | Minimum Heart Rate by Electrocardiogram                  |
| C119259         | EGHRMN                 | ECG Mean Heart Rate                  | An electrocardiographic measurement of the average rate of depolarization of a specific region of the heart during an interval of time, usually expressed in beats per minute. Unless otherwise specified, this is usually the mean ventricular rate.  | Mean Heart Rate by Electrocardiogram                     |
| C120608         | EGHRSI                 | Single RR Heart Rate                 | An electrocardiographic measurement of a heart rate derived from a single RR interval (interval between two consecutive QRS complexes).  | Single Beat RR Extrapolated Heart Rate by ECG Assessment |
| C119260         | EGVRMAX                | ECG Maximum Ventricular Rate         | An electrocardiographic measurement of the maximum rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.   | Maximum Ventricular Rate by Electrocardiogram            |
| C119261         | EGVRMED                | ECG Median Ventricular Rate          | An electrocardiographic measurement of the median rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.  | Median Ventricular Rate by Electrocardiogram             |

| C71153 EGTESTCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C119262         | EGVRMIN                | ECG Minimum Ventricular Rate            | An electrocardiographic measurement of the minimum rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.  | Minimum Ventricular Rate by Electrocardiogram              |
| C119263         | EGVRMN                 | ECG Mean Ventricular Rate               | An electrocardiographic measurement of the average rate of ventricular depolarizations (QRS complexes) recorded during an interval of time, usually expressed in beats per minute.  | Mean Ventricular Rate by Electrocardiogram                 |
| C41255          | INTP                   | Interpretation                          | An act or process of elucidation; explication, or explanation of the meaning of the event or thing via the assignment of objects from the domain to the constants of a formal language, truth-values to the proposition symbols, truth-functions to the connectives, other functions to the function symbols, and extensions to the predicates, if any. The assignments are result of human logic application and are not native to the symbols of the formal language. | Interpretation   |
| C111238         | IVTIACD                | Intraventricular-Intraatrial Conduction | An electrocardiographic assessment of intraventricular and intra-atrial conduction.   | Intraventricular and Intraatrial Conduction ECG Assessment |
| C117762         | JTAG                   | JT Interval, Aggregate                  | An aggregate JT value based on the measurement of JT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate JT Interval                                      |
| C117763         | JTCBAG                 | JTCB Interval, Aggregate                | A JT aggregate interval that is corrected for heart rate using Bazett's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate JTCB Interval                                    |
| C117764         | JTCBSB                 | JTCB Interval, Single Beat              | A JT single beat interval that is corrected for heart rate using Bazett's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.  | Single Beat JTCB Interval                                  |
| C117765         | JTCFAG                 | JTCf Interval, Aggregate                | A JT aggregate interval that is corrected for heart rate using Fridericia's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate JTCF Interval                                    |
| C117766         | JTCFSB                 | JTCf Interval, Single Beat              | A JT single beat interval that is corrected for heart rate using Fridericia's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.  | Single Beat JTCF Interval                                  |
| C62117          | JTMAX                  | Summary (Max) JT Interval               | The maximum duration (time) of the JT interval, obtained from a set of measurements of the JT interval. The JT interval is defined as the time from the J point (end of ventricular depolarization, the point at which the QRS meets the ST segment) to the end of the T wave (representing the end of ventricular repolarization). (NCI)   | Maximum JT Duration  |
| C62116          | JTMIN                  | Summary (Min) JT Interval               | The minimum duration (time) of the JT interval, obtained from a set of measurements of the JT interval. The JT interval is defined as the time from the J point (end of ventricular depolarization, the point at which the QRS meets the ST segment) to the end of the T wave (representing the end of ventricular repolarization). (NCI)   | Minimum JT Duration  |
| C117767         | JTPAG                  | J-Tpeak Interval, Aggregate             | An aggregate J-Tpeak value based on the measurement of J-Tpeak intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate J-T Peak Interval                                |
| C117768         | JTPSB                  | J-Tpeak Interval, Single Beat           | An electrocardiographic interval measured from the J point to the peak of the T wave of a single beat utilizing one or more leads.  | Single Beat J-T Peak Interval                              |
| C117769         | JTSB                   | JT Interval, Single Beat                | An electrocardiographic interval measured from the J point to the offset of the T wave of a single beat utilizing one or more leads.  | Single Beat JT Interval                                    |
| C111280         | MI                     | Myocardial Infarction                   | An electrocardiographic assessment of findings suggestive of myocardial infarction.   | Myocardial Infarction ECG Assessment                       |

| C71153 EGTESTCD |                        |                                 |  |                                |
|-----------------|------------------------|---------------------------------|--|--------------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym                   | CDISC Definition   | NCI Preferred Term             |
| C117770         | NEWQWAVE               | New Q Wave                      | An electrocardiographic finding assessment of new or presumed new pathologic Q waves suggestive of myocardial infarction. (Thygesen K, Alpert JS, Jaffe AS, et al.: the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction. J Am Coll Cardiol 60(16):1-18, 2012).  | New Q Wave                     |
| C118164         | P_AXIS                 | P Wave Axis                     | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the P wave from the isoelectric baseline, usually reported for the frontal plane.   | P Wave Axis                    |
| C111285         | PACEMAKR               | Pacemaker                       | An electrocardiographic assessment of presence of artificial electronic pacing.  | Pacemaker ECG Assessment       |
| C117771         | PPAG                   | PP Interval, Aggregate          | An aggregate PP value based on the measurement of PP intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate PP Interval          |
| C117772         | PPSM                   | PP Interval, Single Measurement | An electrocardiographic measurement of the interval between the onsets of two consecutive P waves.   | Single Measurement PP Interval |
| C117773         | PRAG                   | PR Interval, Aggregate          | An aggregate PR value based on the measurement of PR intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate PR Interval          |
| C62131          | PRMAX                  | Summary (Max) PR Duration       | The maximum duration (time) of the PR interval, obtained from a set of measurements of the PR interval. The PR interval is defined as the time from the beginning of the P wave (representing the onset of atrial depolarization) to the beginning of the R wave (representing the onset of ventricular depolarization). In some cases, a Q wave will precede the R wave, in which case the PR interval is measured from the beginning of the P wave to the beginning of the Q wave. (NCI) | Maximum PR Duration            |
| C62125          | PRMIN                  | Summary (Min) PR Duration       | The minimum duration (time) of the PR interval, obtained from a set of measurements of the PR interval. The PR interval is defined as the time from the beginning of the P wave (representing the onset of atrial depolarization) to the beginning of the R wave (representing the onset of ventricular depolarization). In some cases, a Q wave will precede the R wave, in which case the PR interval is measured from the beginning of the P wave to the beginning of the Q wave. (NCI) | Minimum PR Duration            |
| C117774         | PRSB                   | PR Interval, Single Beat        | An electrocardiographic interval measured from the onset of the P wave to the onset of the QRS complex of a single beat utilizing one or more leads.   | Single Beat PR Interval        |
| C117775         | PWDURAG                | P Wave Duration, Aggregate      | An aggregate P wave duration value based on the measurement of P wave duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate P Wave Duration      |
| C117776         | PWDURSB                | P Wave Duration, Single Beat    | An electrocardiographic interval measured from the onset of the P wave to the offset of the P wave of a single beat utilizing one or more leads.   | Single Beat P Wave Duration    |
| C117777         | PWHTAG                 | P Wave Amplitude, Aggregate     | An aggregate P wave amplitude value based on the measurement of P wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate P Wave Amplitude     |
| C117778         | PWHTSB                 | P Wave Amplitude, Single Beat   | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the P wave measured from the isoelectric baseline to the peak of the P wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.  | Single Beat P Wave Amplitude   |
| C118165         | QRS_AXIS               | QRS Axis                        | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the QRS complex from the isoelectric baseline, usually reported for the frontal plane.  | QRS Axis                       |
| C117779         | QRSAG                  | QRS Duration, Aggregate         | An aggregate QRS value based on the measurement of QRS intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate QRS Duration         |

| C71153 EGTESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term                         |
| C117780         | QRSSB                  | QRS Duration, Single Beat               | An electrocardiographic interval measured from the onset of the QRS complex to the offset of the QRS complex of a single beat utilizing one or more leads.   | Single Beat QRS Duration                   |
| C117781         | QRVDVPAG               | QRS Duration, Ventr. Paced, Aggregate   | An aggregate paced QRS duration value based on the measurement of paced QRS duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Paced Ventricular Aggregate QRS Duration   |
| C117782         | QRVDVPSB               | QRS Duration, Ventr. Paced, Single Beat | An electrocardiographic interval measured from the onset of the paced QRS complex to the offset of the QRS complex of a single beat utilizing one or more leads.   | Paced Ventricular Single Beat QRS Duration |
| C117783         | QTAG                   | QT Interval, Aggregate                  | An aggregate QT value based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate QT Interval                      |
| C124332         | QTCAAG                 | QTca Interval, Aggregate                | A QT Aggregate interval that is corrected for heart rate using individual probabilistic QT/RR slopes for each subject, based on the measurement of QT intervals from multiple beats within a single ECG or period of a continuous ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QTca Interval                    |
| C124333         | QTCASB                 | QTca Interval, Single Beat              | A QT interval that is corrected for heart rate using individual probabilistic QT/RR slopes for each subject, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTca Interval                  |
| C117784         | QTCBAG                 | QTcB Interval, Aggregate                | A QT aggregate interval that is corrected for heart rate using Bazett's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QTcB Interval                    |
| C117785         | QTCBSB                 | QTcB Interval, Single Beat              | A QT single beat interval that is corrected for heart rate using Bazett's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTcB Interval                  |
| C117786         | QTCFAG                 | QTcF Interval, Aggregate                | A QT aggregate interval that is corrected for heart rate using Fridericia's formula, based on the measurement of QT intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate QTcF Interval                    |
| C117787         | QTCFSB                 | QTcF Interval, Single Beat              | A QT single beat interval that is corrected for heart rate using Fridericia's formula, based on a QT interval measured on a single beat utilizing one or more ECG leads.   | Single Beat QTcF Interval                  |
| C123448         | QTCLAG                 | QTcL Interval, Aggregate                | A QT aggregate interval corrected for heart rate using a linear correction formula.  | Aggregate QTcL Interval                    |
| C123449         | QTCLSB                 | QTcL Interval, Single Beat              | A QT single beat interval corrected for heart rate using a linear correction formula.  | Single Beat QTcL Interval                  |
| C100391         | QTCUNS                 | QTc Correction Method Unspecified       | A QT interval that is corrected for heart rate by unspecified correction method.   | Corrected QT Interval                      |
| C123450         | QTCVAG                 | QTcV Interval, Aggregate                | A QT aggregate interval corrected for heart rate using the Van der Water's correction formula.   | Aggregate QTcV Interval                    |
| C123451         | QTCVSB                 | QTcV Interval, Single Beat              | A QT single beat interval corrected for heart rate using the Van der Water's correction formula.   | Single Beat QTcV Interval                  |
| C62135          | QTMAX                  | Summary (Max) QT Duration               | The maximum duration (time) of the QT interval, obtained from a set of measurements of the QT interval. The QT interval is defined as the time from the beginning of the QRS complex to the end of the T wave, representing the time it takes for the ventricles to depolarize and subsequently repolarize. In some cases, the Q wave will be absent, in which case the QT interval is measured from the beginning of the R wave to the end of the T wave. (NCI) | Maximum QT Duration                        |

| C71153 EGTESTCD |                        |                                    |  |   |
|-----------------|------------------------|------------------------------------|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                      | CDISC Definition   | NCI Preferred Term                              |
| C62133          | QTMIN                  | Summary (Min) QT Duration          | The minimum duration (time) of the QT interval, obtained from a set of measurements of the QT interval. The QT interval is defined as the time from the beginning of the QRS complex to the end of the T wave, representing the time it takes for the ventricles to depolarize and subsequently repolarize. In some cases, the Q wave will be absent, in which case the QT interval is measured from the beginning of the R wave to the end of the T wave. (NCI) | Minimum QT Duration                             |
| C117788         | QTSB                   | QT Interval, Single Beat           | An electrocardiographic interval measured from the onset of the QRS complex to the offset of the T wave of a single beat utilizing one or more leads.  | Single Beat QT Interval                         |
| C117789         | QWAAG                  | Q Wave Amplitude, Aggregate        | An aggregate Q wave amplitude value based on the measurement of Q wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | Aggregate Q Wave Amplitude                      |
| C117790         | QWASB                  | Q Wave Amplitude, Single Beat      | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the Q wave measured from the isoelectric baseline to the peak of the Q wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.  | Single Beat Q Wave Amplitude                    |
| C111307         | RHYNOS                 | Rhythm Not Otherwise Specified     | An electrocardiographic assessment of cardiac rhythm not otherwise specified.  | Rhythm Not Otherwise Specified ECG Assessment   |
| C117791         | RRAG                   | RR Interval, Aggregate             | An aggregate RR value based on the measurement of RR intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | Aggregate RR Interval                           |
| C62094          | RRMAX                  | Summary (Max) RR Duration          | The maximum duration (time) between successive peaks of R waves in a particular set of RR intervals. (NCI)   | Maximum RR Duration                             |
| C62093          | RRMIN                  | Summary (Min) RR Duration          | The minimum duration (time) between successive peaks of R waves in a particular set of RR intervals. (NCI)   | Minimum RR Duration                             |
| C117792         | RRSM                   | RR Interval, Single Measurement    | An electrocardiographic measurement of the interval between two consecutive R waves. If R waves are not present, this measurement may utilize the interval between the most easily identified components of the QRS complex within two consecutive beats.  | RR Interval Single Measurement                  |
| C117793         | RSAAG                  | RS Wave Amplitude, Aggregate       | An aggregate RS wave amplitude value based on measurements from multiple beats from a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | RS Wave Amplitude Aggregate                     |
| C117794         | RSASB                  | RS Wave Amplitude, Single Beat     | An electrocardiographic measurement of the sum of the amplitudes of the R and S waves, obtained from a single beat in one particular lead or set of leads.   | RS Wave Amplitude Single Beat                   |
| C117795         | RWAAG                  | R Wave Amplitude, Aggregate        | An aggregate R wave amplitude value based on the measurement of R wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | R Wave Amplitude Aggregate                      |
| C117796         | RWASB                  | R Wave Amplitude, Single Beat      | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the R wave measured from the isoelectric baseline to the peak of the R wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.  | R Wave Amplitude Single Beat                    |
| C111312         | SNRARRY                | Sinus Node Rhythms and Arrhythmias | An electrocardiographic assessment of sinus node rhythms and arrhythmias.  | Sinus Node Rhythm and Arrhythmia ECG Assessment |
| C111320         | SPRARRY                | Supraventricular Arrhythmias       | An electrocardiographic assessment of supraventricular arrhythmias excluding tachycardias.   | Supraventricular Arrhythmia ECG Assessment      |
| C111321         | SPRTARRY               | Supraventricular Tachyarrhythmias  | An electrocardiographic assessment of supraventricular tachyarrhythmias.   | Supraventricular Tachyarrhythmia ECG Assessment |

| C71153 EGTESTCD |                        |                                    |   |   |
|-----------------|------------------------|------------------------------------|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                            |
| C117797         | STDAG                  | ST Segment Depression, Aggregate   | An aggregate ST segment depression value based on the measurement of ST segment depression from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Depression Aggregate               |
| C62163          | STDPMAX                | Summary (Max) ST Depression        | The maximum depression (negative deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the depression of the ST segment. (NCI)  | Maximum ST Segment Depression by ECG Finding  |
| C62162          | STDPMIN                | Summary (Min) ST Depression        | The minimum depression (negative deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the depression of the ST segment. (NCI)  | Minimum ST Segment Depression by ECG Finding  |
| C117798         | STDSB                  | ST Segment Depression, Single Beat | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment depression below the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.         | ST Segment Depression Single Beat             |
| C117799         | STDVAG                 | ST Segment Deviation, Aggregate    | An aggregate ST segment deviation value based on the measurement of ST segment deviation from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Deviation Aggregate                |
| C62157          | STDVMAX                | Summary (Max) ST Deviation         | The maximum deviation (distance from baseline, positive or negative, usually measured in mm) of the ST segment, obtained from a set of measurements of the deviation of the ST segment. (NCI)   | Maximum ST Deviation                          |
| C62156          | STDVMIN                | Summary (Min) ST Deviation         | The minimum deviation (distance from baseline, positive or negative, usually measured in mm) of the ST segment, obtained from a set of measurements of the deviation of the ST segment. (NCI)   | Minimum ST Deviation                          |
| C117800         | STDVSB                 | ST Segment Deviation, Single Beat  | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment deviation above or below the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | ST Segment Deviation Single Beat              |
| C117801         | STEAG                  | ST Segment Elevation, Aggregate    | An aggregate ST segment elevation value based on the measurement of ST segment elevation from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Elevation Aggregate                |
| C62160          | STELMAX                | Summary (Max) ST Elevation         | The maximum elevation (positive deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the elevation of the ST segment. (NCI)  | Maximum ST Segment Elevation                  |
| C62159          | STELMIN                | Summary (Min) ST Elevation         | The minimum elevation (positive deflection from baseline, usually measured in mm) of the ST segment, obtained from a set of measurements of the elevation of the ST segment. (NCI)  | Minimum ST Segment Elevation                  |
| C117802         | STESB                  | ST Segment Elevation, Single Beat  | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the ST segment elevation above the isoelectric baseline measured from the baseline to the ST segment of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm.          | ST Segment Elevation Single Beat              |
| C117803         | STSDURAG               | ST Segment Duration, Aggregate     | An aggregate ST segment duration value based on the measurement of ST segment duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | ST Segment Duration Aggregate                 |
| C117804         | STSDURSB               | ST Segment Duration, Single Beat   | An electrocardiographic interval measured from the J point to the onset of the T wave of a single beat utilizing one or more leads.   | ST Segment Duration Single Beat               |
| C111363         | STSTWUW                | ST Segment, T wave, and U wave     | An electrocardiographic assessment of the characteristics of the ST segment, T wave, and U wave.  | ST Segment, T wave, and U wave ECG Assessment |



| C71153 EGTESTCD |                        |                                  |   |  |
|-----------------|------------------------|----------------------------------|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term                         |
| C117805         | SWAAG                  | S Wave Amplitude, Aggregate      | An aggregate S wave amplitude value based on the measurement of S wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | S Wave Amplitude Aggregate                 |
| C117806         | SWASB                  | S Wave Amplitude, Single Beat    | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the S wave measured from the isoelectric baseline to the peak of the S wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | S Wave Amplitude Single Beat               |
| C118166         | T_AXIS                 | T Wave Axis                      | A numerical representation of the electrocardiographic vector assessed at maximum deviation of the T wave from the isoelectric baseline, usually reported for the frontal plane.  | T Wave Axis                                |
| C117807         | TECHQUAL               | Technical Quality                | A statement about an electrocardiographic recording describing technical issues or interference during the recording, processing, or transmission of the data. This does not represent an electrocardiographic diagnosis.   | ECG Technical Quality                      |
| C117808         | TPTEAG                 | Tpeak-Tend Interval, Aggregate   | An aggregate Tpeak-Tend value based on the measurement of Tpeak-Tend from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | T Peak-T End Interval Aggregate            |
| C117809         | TPTESB                 | Tpeak-Tend Interval, Single Beat | An electrocardiographic interval measured from the peak of the T wave to the offset of the T wave of a single beat utilizing one or more leads.   | T Peak-T End Interval Single Beat          |
| C117810         | TWARAG                 | T Wave Area, Aggregate           | An aggregate T wave area value based on the measurement of T wave areas from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | T Wave Area Aggregate                      |
| C117811         | TWARSB                 | T Wave Area, Single Beat         | An electrocardiographic measurement of the area of the T wave of a single beat utilizing one or more leads.   | T Wave Area Single Beat                    |
| C117812         | TWDURAG                | T Wave Duration, Aggregate       | An aggregate T wave duration value based on the measurement of T wave duration intervals from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.   | T Wave Duration Aggregate                  |
| C117813         | TWDURSB                | T Wave Duration, Single Beat     | An electrocardiographic interval measured from the onset of the T wave to the offset of the T wave of a single beat utilizing one or more leads.  | T Wave Duration Single Beat                |
| C117814         | TWHAG                  | T Wave Amplitude, Aggregate      | An aggregate T wave amplitude value based on the measurement of T wave amplitudes from multiple beats within a single ECG. The method of aggregation, which can vary, is typically a measure of central tendency such as the mean.  | T Wave Amplitude Aggregate                 |
| C117815         | TWHSB                  | T Wave Amplitude, Single Beat    | An electrocardiographic measurement of the mean amplitude (usually measured in mV) of the T wave measured from the isoelectric baseline to the peak of the T wave of a single beat utilizing one or more leads. Based on the recording gain, this measurement may also be reported in mm. | T Wave Amplitude Single Beat               |
| C111330         | VTARRY                 | Ventricular Arrhythmias          | An electrocardiographic assessment of ventricular arrhythmias excluding tachycardias.   | Ventricular Arrhythmia ECG Assessment      |
| C111331         | VTTARRY                | Ventricular Tachyarrhythmias     | An electrocardiographic assessment of ventricular tachyarrhythmias.   | Ventricular Tachyarrhythmia ECG Assessment |

**FMTEST (Fetal Measurement Test Name)**

NCI Code: C124312, Codelist extensible: Yes

| <b>C124312 FMTEST</b> |                                 |                                 |   |                                      |
|-----------------------|---------------------------------|---------------------------------|---|--------------------------------------|
| <b>NCI Code</b>       | <b>CDISC Submission Value</b>   | <b>CDISC Synonym</b>            | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>            |
| C124276               | Anogenital Distance             | Anogenital Distance             | A measurement of the length of the span between the anus and the base of the genitalia.   | Anogenital Distance                  |
| C124478               | Biparietal Distance             | Biparietal Distance             | A measurement of the length of the span between the protuberances of the parietal bones of the skull.   | Biparietal Distance                  |
| C64265                | Circumference                   | Circumference                   | The length of the closed curve of a circle; the size of something as given by the distance around it. (NCI)                                   | Circumference                        |
| C81242                | Crown Rump length               | Crown Rump length               | A measurement from the proximal aspect of the head to the buttocks or proximal aspect of the tail.  | Crown to Rump Length Measurement     |
| C124479               | Fetal Body Weight               | Fetal Body Weight               | The weight of a fetus.  | Fetal Body Weight                    |
| C124483               | Fetal Organ Weight              | Fetal Organ Weight              | The weight of a fetal organ.  | Fetal Organ Weight                   |
| C124484               | Fetal Sex                       | Fetal Sex                       | Examination of the fetus to determine sex.  | Sex of Fetus                         |
| C124480               | Fluid Volume                    | Fluid Volume                    | The amount of three dimensional space occupied by a fluid.  | Fluid Volume                         |
| C25334                | Length                          | Length                          | The linear extent in space from one end of something to the other end, or the extent of something from beginning to end. (NCI)                | Length                               |
| C124481               | Occipitofrontal Diameter        | Occipitofrontal Diameter        | A measurement of the skull, measured from the external occipital protuberance to the most prominent point of the frontal bone in the midline. | Occipitofrontal Diameter             |
| C124482               | Ossified Skeletal Element Count | Ossified Skeletal Element Count | The number of skeletal elements with ossification centers present.  | Number of Ossified Skeletal Elements |

**FMTESTCD (Fetal Measurement Test Code)**

NCI Code: C124311, Codelist extensible: Yes

| <b>C124311 FMTESTCD</b> |                               |                                 |   |                                      |
|-------------------------|-------------------------------|---------------------------------|---|--------------------------------------|
| <b>NCI Code</b>         | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b>            | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>            |
| C124276                 | ANGDIST                       | Anogenital Distance             | A measurement of the length of the span between the anus and the base of the genitalia.   | Anogenital Distance                  |
| C124478                 | BIPADIST                      | Biparietal Distance             | A measurement of the length of the span between the protuberances of the parietal bones of the skull.   | Biparietal Distance                  |
| C124479                 | BWFETAL                       | Fetal Body Weight               | The weight of a fetus.  | Fetal Body Weight                    |
| C64265                  | CIRCUMF                       | Circumference                   | The length of the closed curve of a circle; the size of something as given by the distance around it. (NCI)                                   | Circumference                        |
| C81242                  | CRWNRMPL                      | Crown Rump length               | A measurement from the proximal aspect of the head to the buttocks or proximal aspect of the tail.  | Crown to Rump Length Measurement     |
| C124480                 | FVOLUME                       | Fluid Volume                    | The amount of three dimensional space occupied by a fluid.  | Fluid Volume                         |
| C25334                  | LENGTH                        | Length                          | The linear extent in space from one end of something to the other end, or the extent of something from beginning to end. (NCI)                | Length                               |
| C124481                 | OCCFDIAM                      | Occipitofrontal Diameter        | A measurement of the skull, measured from the external occipital protuberance to the most prominent point of the frontal bone in the midline. | Occipitofrontal Diameter             |
| C124482                 | OSSKELCT                      | Ossified Skeletal Element Count | The number of skeletal elements with ossification centers present.  | Number of Ossified Skeletal Elements |
| C124483                 | OWFETAL                       | Fetal Organ Weight              | The weight of a fetal organ.  | Fetal Organ Weight                   |
| C124484                 | SEXFETAL                      | Fetal Sex                       | Examination of the fetus to determine sex.  | Sex of Fetus                         |

## FREQ (Frequency)

NCI Code: C71113, Codelist extensible: Yes

| C71113 FREQ |                        |                                     |  |                     |
|-------------|------------------------|-------------------------------------|--|---------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                       | CDISC Definition   | NCI Preferred Term  |
| C64526      | 1 TIME PER WEEK        | One Time Per Week                   | One time per week. (NCI)   | Once Weekly         |
| C64497      | 2 TIMES PER WEEK       | BIS;Twice per week                  | Two times per week. (NCI)  | Twice Weekly        |
| C98861      | 2 TIMES PER YEAR       | 2 Times Per Year                    | Two times per year. (NCI)  | Two Times Yearly    |
| C98859      | 3 TIMES PER MONTH      | 3 Times Per Month                   | Three times per month. (NCI)   | Three Times Monthly |
| C64528      | 3 TIMES PER WEEK       | TIS;Three times a week              | Three times per week. (NCI)  | Three Times Weekly  |
| C98860      | 3 TIMES PER YEAR       | 3 Times Per Year                    | Three times per year. (NCI)  | Three Times Yearly  |
| C98852      | 4 TIMES PER MONTH      | 4 Times Per Month                   | Four times per month. (NCI)  | Four Times Monthly  |
| C64531      | 4 TIMES PER WEEK       | 4 times per week;QIS                | Four times per week. (NCI)   | Four Times Weekly   |
| C98853      | 4 TIMES PER YEAR       | 4 Times Per Year                    | Four times per year. (NCI)   | Four Times Yearly   |
| C98849      | 5 TIMES PER DAY        | 5 Times Daily                       | Five times per day. (NCI)  | Five Times Daily    |
| C98850      | 5 TIMES PER MONTH      | 5 Times Per Month                   | Five times per month. (NCI)  | Five Times Monthly  |
| C85552      | 5 TIMES PER WEEK       | 5 Times Per Week                    | Five times per week. (NCI)   | Five Times Weekly   |
| C98851      | 5 TIMES PER YEAR       | 5 Times Per Year                    | Five times per year. (NCI)   | Five Times Yearly   |
| C98855      | 6 TIMES PER DAY        | 6 Times Daily                       | Six times per day. (NCI)   | Six Times Daily     |
| C98856      | 6 TIMES PER MONTH      | 6 Times Per Month                   | Six times per month. (NCI)   | Six Times Monthly   |
| C98857      | 6 TIMES PER WEEK       | 6 Times Per Week                    | Six times per week. (NCI)  | Six Times Weekly    |
| C98858      | 6 TIMES PER YEAR       | 6 Times Per Year                    | Six times per year. (NCI)  | Six Times Yearly    |
| C98854      | 7 TIMES PER WEEK       | 7 Times Per Week                    | Seven times per week. (NCI)  | Seven Times Weekly  |
| C64636      | AD LIBITUM             | Ad Libitum                          | As much as desired.  | As Much as Desired  |
| C64496      | BID                    | BD;Twice per day                    | Two times per day, at unspecified times. (NCI)   | Twice Daily         |
| C71129      | BIM                    | Twice per month                     | Twice per month. (NCI)   | Twice Per Month     |
| C53279      | CONTINUOUS             | Continuous                          | Remain in force or carry on without letup; keep or maintain in unaltered condition; exist in time or space without stop or interruption. (NCI) | Continue            |
| C71127      | EVERY 2 WEEKS          | Every 2 weeks;Q2S                   | Every two weeks. (NCI)   | Every Two Weeks     |
| C64535      | EVERY 3 WEEKS          | Every 3 weeks;Q3S                   | Every three weeks. (NCI)   | Every Three Weeks   |
| C64529      | EVERY 4 WEEKS          | Every 4 weeks;Q4S                   | Every four weeks. (NCI)  | Every Four Weeks    |
| C103390     | EVERY 5 WEEKS          | Every 5 weeks;Q5S                   | Every five weeks. (NCI)  | Every Five Weeks    |
| C89788      | EVERY 6 WEEKS          | Every 6 Weeks;Q6S                   | Every six weeks. (NCI)   | Every Six Weeks     |
| C116149     | EVERY 7 WEEKS          | Every 7 weeks;Q7S                   | Every seven weeks.   | Every Seven Weeks   |
| C103389     | EVERY 8 WEEKS          | Every 8 weeks;Q8S                   | Every eight weeks. (NCI)   | Every Eight Weeks   |
| C67069      | EVERY WEEK             | Every week;Per Week;QS              | Every week. (NCI)  | Weekly              |
| C71325      | INTERMITTENT           | Intermittent                        | Periodically stopping and starting. (NCI)  | Intermittent        |
| C64954      | OCCASIONAL             | Occasional                          | Not occurring regularly or at short intervals.   | Infrequent          |
| C64576      | ONCE                   | Once                                | A one time intervention. (NCI)   | Once                |
| C74924      | PA                     | /Year;Every Year;Per Annum;Per Year | A frequency rate of occurrences of something within a period of time equal to three hundred sixty-five days.                                   | Per Year            |
| C64499      | PRN                    | As needed                           | As needed. (NCI)   | As Necessary        |
| C64500      | Q10H                   | Every 10 hours                      | Every ten hours. (NCI)   | Every Ten Hours     |
| C64501      | Q11H                   | Every 11 hours                      | Every eleven hours. (NCI)  | Every Eleven Hours  |

| C71113 FREQ |                        |                       |  |                          |
|-------------|------------------------|-----------------------|--|--------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym         | CDISC Definition   | NCI Preferred Term       |
| C64502      | Q12H                   | Every 12 hours        | Every twelve hours. (NCI)                                      | Every Twelve Hours       |
| C64503      | Q13H                   | Every 13 hours        | Every thirteen hours. (NCI)                                    | Every Thirteen Hours     |
| C64504      | Q14H                   | Every 14 hours        | Every fourteen hours. (NCI)                                    | Every Fourteen Hours     |
| C64505      | Q15H                   | Every 15 hours        | Every fifteen hours. (NCI)                                     | Every Fifteen Hours      |
| C64506      | Q16H                   | Every 16 hours        | Every sixteen hours. (NCI)                                     | Every Sixteen Hours      |
| C64507      | Q17H                   | Every 17 hours        | Every seventeen hours. (NCI)                                   | Every Seventeen Hours    |
| C64508      | Q18H                   | Every 18 hours        | Every eighteen hours. (NCI)                                    | Every Eighteen Hours     |
| C64509      | Q19H                   | Every 19 hours        | Every nineteen hours. (NCI)                                    | Every Nineteen Hours     |
| C64511      | Q20H                   | Every 20 hours        | Every twenty hours. (NCI)                                      | Every Twenty Hours       |
| C64512      | Q21H                   | Every 21 hours        | Every twenty-one hours. (NCI)                                  | Every Twenty-One Hours   |
| C64513      | Q22H                   | Every 22 hours        | Every twenty-two hours. (NCI)                                  | Every Twenty-Two Hours   |
| C64514      | Q23H                   | Every 23 hours        | Every twenty-three hours. (NCI)                                | Every Twenty-Three Hours |
| C64515      | Q24H                   | Every 24 hours        | Every twenty-four hours. (NCI)                                 | Every Twenty-Four Hours  |
| C64516      | Q2H                    | Every 2 hours         | Every two hours. (NCI)   | Every Two Hours          |
| C64536      | Q2M                    | Every two months      | Every two months. (NCI)  | Every Two Months         |
| C64533      | Q3D                    | Every 3 days          | Every three days. (NCI)  | Every Three Days         |
| C64517      | Q3H                    | Every 3 hours         | Every three hours. (NCI)                                       | Every Three Hours        |
| C64537      | Q3M                    | Every 3 months        | Every three months. (NCI)                                      | Every Three Months       |
| C64534      | Q4D                    | Every 4 days          | Every four days. (NCI)   | Every Four Days          |
| C64518      | Q4H                    | Every 4 hours         | Every four hours. (NCI)  | Every Four Hours         |
| C64538      | Q4M                    | Every 4 months        | Every four months. (NCI)                                       | Every Four Months        |
| C71124      | Q5D                    | Every 5 days          | Every five days. (NCI)   | Every Five Days          |
| C64519      | Q5H                    | Every 5 hours         | Every five hours. (NCI)  | Every Five Hours         |
| C64520      | Q6H                    | Every 6 hours         | Every six hours. (NCI)   | Every Six Hours          |
| C89789      | Q6M                    | Every 6 Months        | Every six months. (NCI)  | Every Six Months         |
| C64521      | Q7H                    | Every 7 hours         | Every seven hours. (NCI)                                       | Every Seven Hours        |
| C64523      | Q8H                    | Every 8 hours         | Every eight hours. (NCI)                                       | Every Eight Hours        |
| C64524      | Q9H                    | Every 9 hours         | Every nine hours. (NCI)  | Every Nine Hours         |
| C25473      | QD                     | Daily;Per Day         | A rate of occurrence within a period of time equal to one day. | Daily                    |
| C64510      | QH                     | Every hour            | Every hour. (NCI)  | Every Hour               |
| C64530      | QID                    | 4 times per day       | Four times per day. (NCI)                                      | Four Times Daily         |
| C64498      | QM                     | Every Month;Per Month | Every month. (NCI)   | Monthly                  |
| C64525      | QOD                    | Every other day       | Every other day. (NCI)   | Every Other Day          |
| C64527      | TID                    | 3 times per day       | Three times per day. (NCI)                                     | Three Times Daily        |
| C17998      | UNKNOWN                | U;Unknown             | Not known, not observed, not recorded, or refused. (NCI)       | Unknown                  |

## FRM (Pharmaceutical Dosage Form)

NCI Code: C66726, Codelist extensible: Yes

| C66726 FRM |                                   |               |  |   |
|------------|-----------------------------------|---------------|--|---|
| NCI Code   | CDISC Submission Value            | CDISC Synonym | CDISC Definition   | NCI Preferred Term                          |
| C42887     | AEROSOL                           | aer           | A product that is packaged under pressure and contains therapeutically active ingredients that are released upon activation of an appropriate valve system; it is intended for topical application to the skin as well as local application into the nose (nasal aerosols), mouth (lingual aerosols), or lungs (inhalation aerosols).  | Aerosol Dosage Form                         |
| C42888     | AEROSOL, FOAM                     |               | A dosage form containing one or more active ingredients, surfactants, aqueous or non-aqueous liquids, and the propellants; if the propellant is in the internal (discontinuous) phase (i.e., of the oil-in-water type), a stable foam is discharged, and if the propellant is in the external (continuous) phase (i.e., of the water-in-oil type), a spray or a quick-breaking foam is discharged.   | Aerosol Foam Dosage Form                    |
| C42960     | AEROSOL, METERED                  |               | A pressurized dosage form consisting of metered dose valves which allow for the delivery of a uniform quantity of spray upon each activation. (NCI)  | Metered Aerosol Dosage Form                 |
| C42971     | AEROSOL, POWDER                   |               | A product that is packaged under pressure and contains therapeutically active ingredients, in the form of a powder, that are released upon activation of an appropriate valve system. (NCI)  | Powder Aerosol Dosage Form                  |
| C42889     | AEROSOL, SPRAY                    |               | An aerosol product which utilizes a compressed gas as the propellant to provide the force necessary to expel the product as a wet spray; it is applicable to solutions of medicinal agents in aqueous solvents. (NCI)  | Aerosol Spray Dosage Form                   |
| C42892     | BAR, CHEWABLE                     |               | A solid dosage form usually in the form of a rectangle that is meant to be chewed. (NCI)   | Chewable Bar Dosage Form                    |
| C42890     | BEAD                              |               | A solid dosage form in the shape of a small ball. (NCI)  | Bead Dosage Form                            |
| C43451     | BEAD, IMPLANT, EXTENDED RELEASE   |               | A small sterile solid mass consisting of a highly purified drug intended for implantation in the body which would allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form. (NCI)   | Extended Release Bead Implant Dosage Form   |
| C42891     | BLOCK                             |               | Solid dosage form, usually in the shape of a square or rectangle. (NCI)  | Block Dosage Form                           |
| C97197     | CAPLET                            |               | A solid dosage form in which a tablet has been compacted into capsule shape.   | Caplet Dosage Form                          |
| C25158     | CAPSULE                           | cap           | A solid pharmaceutical dosage form that contains medicinal agent within either a hard or soft soluble container or shell, usually used for the oral administration of medicine. The shells are made of a suitable form of gelatin or other substance. (NCI)  | Capsule Dosage Form                         |
| C42895     | CAPSULE, COATED                   |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container or "shell" made from a suitable form of gelatin; additionally, the capsule is covered in a designated coating.  | Coated Capsule Dosage Form                  |
| C42896     | CAPSULE, COATED PELLETS           |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container or 'shell' made from a suitable form of gelatin; the drug itself is in the form of granules to which varying amounts of coating have been applied. (NCI)  | Coated Pellet in Capsule Dosage Form        |
| C42917     | CAPSULE, COATED, EXTENDED RELEASE |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container or "shell" made from a suitable form of gelatin; additionally, the capsule is covered in a designated coating, and which releases a drug (or drugs) in such a manner to allow at least a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form. | Extended Release Coated Capsule Dosage Form |
| C42902     | CAPSULE, DELAYED RELEASE          |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container made from a suitable form of gelatin, and which releases a drug (or drugs) at a time other than promptly after administration. Enteric-coated articles are delayed release dosage forms. (NCI)  | Delayed Release Capsule Dosage Form         |

| C66726 FRM |  |               |   |  |
|------------|--|---------------|---|--|
| NCI Code   | CDISC Submission Value                 | CDISC Synonym | CDISC Definition  | NCI Preferred Term                               |
| C42904     | CAPSULE, DELAYED RELEASE PELLETS       |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container or "shell" made from a suitable form of gelatin; the drug itself is in the form of granules to which enteric coating has been applied, thus delaying release of the drug until its passage into the intestines.  | Delayed Release Pellet in Capsule Dosage Form    |
| C42916     | CAPSULE, EXTENDED RELEASE              |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container made from a suitable form of gelatin, and which releases a drug (or drugs) in such a manner to allow a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form. (NCI)  | Extended Release Capsule Dosage Form             |
| C42928     | CAPSULE, FILM COATED, EXTENDED RELEASE |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container or 'shell' made from a suitable form of gelatin; additionally, the capsule is covered in a designated film coating, and which releases a drug (or drugs) in such a manner to allow at least a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form. | Extended Release Film Coated Capsule Dosage Form |
| C42936     | CAPSULE, GELATIN COATED                |               | A solid dosage form in which the drug is enclosed within either a hard or soft soluble container made from a suitable form of gelatin; through a banding process, the capsule is coated with additional layers of gelatin so as to form a complete seal. (NCI)  | Gelatin Coated Capsule Dosage Form               |
| C42954     | CAPSULE, LIQUID FILLED                 |               | A solid dosage form in which the drug is enclosed within a soluble, gelatin shell which is plasticized by the addition of a polyol, such as sorbitol or glycerin, and is therefore of a somewhat thicker consistency than that of a hard shell capsule; typically, the active ingredients are dissolved or suspended in a liquid vehicle. (NCI)   | Liquid Filled Capsule Dosage Form                |
| C45414     | CEMENT                                 |               | A substance that serves to produce solid union between two surfaces. (NCI)  | Cement Dosage Form                               |
| C42678     | CIGARETTE                              |               | A narrow tube filled with material that is capable to burn with release of therapeutically-active substance(s) during the process of smoking. Cigarette is a very efficient drug-delivery inhaler system for fast-acting substances.  | Cigarette Dosage Form                            |
| C60884     | CLOTH                                  |               | A large piece of relatively flat, absorbent material that contains a drug. It is typically used for applying medication or for cleansing.   | Cloth Dosage Form                                |
| C60891     | CONCENTRATE                            |               | A liquid preparation of increased strength and reduced volume which is usually diluted prior to administration. (NCI)   | Concentrated Dosage Form                         |
| C42900     | CONE                                   |               | A solid dosage form bounded by a circular base and the surface formed by line segments joining every point of the boundary of the base to a common vertex. A cone (usually containing antibiotics) is normally placed below the gingiva after a dental extraction. (NCI)  | Cone Dosage Form                                 |
| C42919     | CORE, EXTENDED RELEASE                 |               | An ocular system placed in the eye from which the drug diffuses through a membrane at a constant rate over a specified period. (NCI)  | Extended Release Core Dosage Form                |
| C28944     | CREAM                                  |               | A semisolid emulsion of either the oil-in-water or the water-in-oil type, ordinarily intended for topical use. (NCI)  | Cream Dosage Form                                |
| C60897     | CREAM, AUGMENTED                       |               | A cream dosage form that enhances drug delivery. Augmentation does not refer to the strength of the drug in the dosage form. NOTE: CDER has decided to refrain from expanding the use of this dosage form due to difficulties in setting specific criteria that must be met to be considered augmented.   | Augmented Cream Dosage Form                      |
| C42901     | CRYSTAL                                |               | A naturally produced angular solid of definite form in which the ultimate units from which it is built up are systematically arranged; they are usually evenly spaced on a regular space lattice.   | Crystal Dosage Form                              |
| C45415     | CULTURE                                |               | The propagation of microorganisms or of living tissue cells in special media conducive to their growth. (NCI)   | Culture Dosage Form                              |
| C47890     | DIAPHRAGM                              |               | A device usually dome-shaped, worn during copulation over the cervical mouth for prevention of conception or infection. (NCI)   | Vaginal Diaphragm Dosage Form                    |
| C43525     | DISC                                   |               | A circular plate-like organ or structure.   | Disc Dosage Form                                 |

| C66726 FRM |                                  |               |  |   |
|------------|----------------------------------|---------------|--|---|
| NCI Code   | CDISC Submission Value           | CDISC Synonym | CDISC Definition   | NCI Preferred Term                          |
| C42679     | DOUCHE                           |               | A liquid preparation, intended for the irrigative cleansing of the vagina, that is prepared from powders, liquid solutions, or liquid concentrates and contains one or more chemical substances dissolved in a suitable solvent or mutually miscible solvents. (NCI)   | Douche Dosage Form                          |
| C42763     | DRESSING                         |               | The application of various materials for protecting a wound.   | Dressing Dosage Form                        |
| C17423     | DRUG DELIVERY SYSTEM             |               | Modern technology, distributed with or as a part of a drug product that allows for the uniform release or targeting of drugs to the body.  | Drug Delivery System                        |
| C42912     | ELIXIR                           |               | A clear, pleasantly flavored, sweetened hydroalcoholic liquid containing dissolved medicinal agents; it is intended for oral use. (NCI)  | Elixir Dosage Form                          |
| C42913     | EMULSION                         |               | A dosage form consisting of a two-phase system comprised of at least two immiscible liquids (1), one of which is dispersed as droplets (internal or dispersed phase) within the other liquid (external or continuous phase), generally stabilized with one or more emulsifying agents. Note 1: A liquid is pourable; it flows and conforms to its container at room temperature. It displays Newtonian or pseudoplastic flow behavior. Note 2: Emulsion is used as a dosage form term unless a more specific term is applicable, e.g. cream, lotion, ointment. (NCI) | Emulsion Dosage Form                        |
| C42915     | ENEMA                            |               | A rectal preparation for therapeutic, diagnostic, or nutritive purposes. (NCI)   | Enema Dosage Form                           |
| C42929     | EXTRACT                          |               | A concentrated preparation of vegetable or animal drugs obtained by removal of the active constituents of the respective drugs with a suitable menstrua, evaporation of all or nearly all of the solvent, and adjustment of the residual masses or powders to the prescribed standards. (NCI)  | Extract Dosage Form                         |
| C60926     | FIBER, EXTENDED RELEASE          |               | A slender and elongated solid thread-like substance that delivers drug in such a manner to allow a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form.  | Extended Release Fiber Dosage Form          |
| C42932     | FILM                             |               | A thin layer or coating. (NCI)   | Film Dosage Form                            |
| C42920     | FILM, EXTENDED RELEASE           |               | A drug delivery system in the form of a film that releases the drug over an extended period in such a way as to maintain constant drug levels in the blood or target tissue. (NCI)   | Extended Release Film Dosage Form           |
| C42984     | FILM, SOLUBLE                    |               | A thin layer or coating which is susceptible to being dissolved when in contact with a liquid. (NCI)   | Soluble Film Dosage Form                    |
| C60927     | FOR SOLUTION                     |               | A product, usually a solid, intended for solution prior to administration.   | Dosage Form for Solution                    |
| C60928     | FOR SUSPENSION                   |               | A product, usually a solid, intended for suspension prior to administration.   | Dosage Form for Suspension                  |
| C60929     | FOR SUSPENSION, EXTENDED RELEASE |               | A product, usually a solid, intended for suspension prior to administration; once the suspension is administered, the drug will be released at a constant rate over a specified period.  | Extended Release Dosage Form for Suspension |
| C42933     | GAS                              |               | Any elastic aeriform fluid in which the molecules are separated from one another and have free paths. (NCI)  | Gas Dosage Form                             |
| C42934     | GEL                              |               | A semisolid (1) dosage form that contains a gelling agent to provide stiffness to a solution or a colloidal dispersion (2). A gel may contain suspended particles. Note 1: A semisolid is not pourable; it does not flow or conform to its container at room temperature. It does not flow at low shear stress and generally exhibits plastic flow behavior. Note 2: A colloidal dispersion is a system in which particles of colloidal dimension (i.e., typically between 1 nm and 1 micrometer) are distributed uniformly throughout a liquid.                     | Gel Dosage Form                             |
| C42906     | GEL, DENTIFRICE                  |               | A combination of a dentifrice (formulation intended to clean and/or polish the teeth, and which may contain certain additional agents), and a gel. It is used with a toothbrush for the purpose of cleaning and polishing the teeth. (NCI)   | Dentifrice Gel Dosage Form                  |



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| NCI Code   | CDISC Submission Value                    | CDISC Synonym | CDISC Definition   | NCI Preferred Term                                  |
| C60930     | GEL, METERED                              |               | A gel preparation, with metered dose valves, which allow for the delivery of a uniform quantity of gel upon each activation.   | Metered Gel Dosage Form                             |
| C48193     | GENERATOR                                 |               | An apparatus for the formation of vapor or gas from a liquid or solid by heat or chemical action. The term GENERATOR also applies to radioactive columns from which radionuclides are provided. (NCI)  | Generator Dosage Form                               |
| C42937     | GLOBULE                                   |               | Also called pellets or pilules, are made of pure sucrose, lactose, or other polysaccharides. They are formed into small globular masses of various sizes, and are medicated by placing them in a vial and adding the liquid drug attenuation in the proportion not less than one percent (v/w). After shaking, the medicated globules are dried at temperatures not to exceed 40 degrees Centigrade. (NCI) | Globule Dosage Form                                 |
| C45416     | GRAFT                                     |               | A slip of skin or of other tissue for implantation. (NCI)  | Graft Dosage Form                                   |
| C42938     | GRANULE                                   |               | A small particle or grain. (NCI)   | Granule Dosage Form                                 |
| C42903     | GRANULE, DELAYED RELEASE                  |               | A small medicinal particle or grain to which an enteric or other coating has been applied, thus delaying release of the drug until its passage into the intestines. (NCI)  | Delayed Release Granule Dosage Form                 |
| C42909     | GRANULE, EFFERVESCENT                     |               | A small particle or grain containing a medicinal agent in a dry mixture usually composed of sodium bicarbonate, citric acid, and tartaric acid which, when in contact with water, has the capability to release gas, resulting in effervescence. (NCI)   | Effervescent Granule Dosage Form                    |
| C42939     | GRANULE, FOR SOLUTION                     |               | A small medicinal particle or grain made available in its more stable dry form, to be reconstituted with solvent just before dispensing; the granules are so prepared to contain not only the medicinal agent, but the colorants, flavorants, and any other desired pharmaceutical ingredient. (NCI)   | Granule for Solution Dosage Form                    |
| C42940     | GRANULE, FOR SUSPENSION                   |               | A small medicinal particle or grain made available in its more stable dry form, to be reconstituted with solvent just before dispensing to form a suspension; the granules are so prepared to contain not only the medicinal agent, but the colorants, flavorants, and any other desired pharmaceutical ingredient. (NCI)  | Granule for Suspension Dosage Form                  |
| C42921     | GRANULE, FOR SUSPENSION, EXTENDED RELEASE |               | A small medicinal particle or grain made available in its more stable dry form, to be reconstituted with solvent just before dispensing to form a suspension; the extended release system achieves slow release of the drug over an extended period of time and maintains constant drug levels in the blood or target tissue. (NCI)  | Extended Release Granule for Suspension Dosage Form |
| C42941     | GUM                                       |               | A mucilaginous excretion from various plants. (NCI)  | Gum Dosage Form                                     |
| C42894     | GUM, CHEWING                              |               | A sweetened and flavored insoluble plastic material of various shapes which when chewed, releases a drug substance into the oral cavity. (NCI)   | Chewing Gum Dosage Form                             |
| C42978     | GUM, RESIN                                |               | Natural mixture of gum and resin, usually obtained as exudations from plants. (NCI)  | Resin Gum Dosage Form                               |
| C42942     | IMPLANT                                   |               | A material containing drug intended to be inserted securely and deeply in a living site for growth, slow release, or formation of an organic union. (NCI)  | Implant Dosage Form                                 |
| C42944     | INHALANT                                  |               | A special class of inhalations consisting of a drug or combination of drugs, that by virtue of their high vapor pressure, can be carried by an air current into the nasal passage where they exert their effect; the container from which the inhalant generally is administered is known as an inhaler. (NCI)   | Inhalant Dosage Form                                |
| C60931     | INJECTABLE, LIPOSOMAL                     |               | An injection, which either consists of or forms liposomes (a lipid bilayer vesicle usually composed of phospholipids which is used to encapsulate an active drug substance).   | Liposomal Injection Dosage Form                     |
| C42946     | INJECTION                                 |               | A sterile preparation intended for parenteral use; five distinct classes of injections exist as defined by the USP. (NCI)  | Injectable Dosage Form                              |
| C42914     | INJECTION, EMULSION                       |               | An emulsion consisting of a sterile, pyrogen-free preparation intended to be administered parenterally.  | Emulsion for Injection Dosage Form                  |

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| NCI Code   | CDISC Submission Value   | CDISC Synonym | CDISC Definition   | NCI Preferred Term  |
| C42950     | INJECTION, LIPID COMPLEX   |               | A substance composed of complexed active and/or inert ingredient(s) with natural or synthetic lipids that is intended for injection. (NCI)   | Injectable Lipid Complex Dosage Form                                      |
| C42974     | INJECTION, POWDER, FOR SOLUTION                                  |               | A sterile preparation intended for reconstitution to form a solution for parenteral use. (NCI)   | Powder for Injectable Solution Dosage Form                                |
| C42976     | INJECTION, POWDER, FOR SUSPENSION                                |               | A sterile preparation intended for reconstitution to form a suspension for parenteral use. (NCI)   | Powder for Injectable Suspension Dosage Form                              |
| C42977     | INJECTION, POWDER, FOR SUSPENSION, EXTENDED RELEASE              |               | A dried preparation intended for reconstitution to form a suspension for parenteral use which has been formulated in a manner to allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form (e.g., as a solution).  | Powder for Injectable Extended Release Suspension Dosage Form             |
| C42959     | INJECTION, POWDER, LYOPHILIZED, FOR LIPOSOMAL SUSPENSION         |               | A sterile freeze dried preparation intended for reconstitution for parenteral use which has been formulated in a manner that would allow liposomes (a lipid bilayer vesicle usually composed of phospholipids which is used to encapsulate an active drug substance, either within a lipid bilayer or in an aqueous space) to be formed upon reconstitution. (NCI)   | Lyophilized Powder for Injectable Liposomal Suspension Dosage Form        |
| C42957     | INJECTION, POWDER, LYOPHILIZED, FOR SOLUTION                     |               | A dosage form intended for the solution prepared by lyophilization ("freeze drying"), a process which involves the removal of water from products in the frozen state at extremely low pressures; this is intended for subsequent addition of liquid to create a solution that conforms in all respects to the requirements for Injections. (NCI)  | Lyophilized Powder for Injectable Solution Dosage Form                    |
| C42958     | INJECTION, POWDER, LYOPHILIZED, FOR SUSPENSION                   |               | A liquid preparation, intended for parenteral use, that contains solids suspended in a suitable fluid medium and conforms in all respects to the requirements for Sterile Suspensions; the medicinal agents intended for the suspension are prepared by lyophilization ("freeze drying"), a process which involves the removal of water from products in the frozen state at extremely low pressures.  | Lyophilized Powder for Injectable Suspension Dosage Form                  |
| C42956     | INJECTION, POWDER, LYOPHILIZED, FOR SUSPENSION, EXTENDED RELEASE |               | A sterile freeze dried preparation intended for reconstitution for parenteral use which has been formulated in a manner to allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form (e.g., as a solution). (NCI)  | Lyophilized Powder for Extended Release Injectable Suspension Dosage Form |
| C42945     | INJECTION, SOLUTION  |               | A liquid preparation containing one or more drug substances dissolved in a suitable solvent or mixture of mutually miscible solvents that is suitable for injection. (NCI)   | Injectable Solution Dosage Form   |
| C42899     | INJECTION, SOLUTION, CONCENTRATE                                 |               | A sterile preparation for parenteral use which, upon the addition of suitable solvents, yields a solution conforming in all respects to the requirements for Injections. (NCI)   | Concentrated Injectable Solution Dosage Form                              |
| C42995     | INJECTION, SUSPENSION  |               | A liquid preparation, suitable for injection, which consists of solid particles dispersed throughout a liquid phase in which the particles are not soluble. It can also consist of an oil phase dispersed throughout an aqueous phase, or vice-versa. (NCI)  | Injectable Suspension Dosage Form   |
| C42926     | INJECTION, SUSPENSION, EXTENDED RELEASE                          |               | A sterile preparation intended for parenteral use which has been formulated in a manner to allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form (e.g., as a solution or a prompt drug-releasing, conventional solid dosage form). (NCI)   | Injectable Extended Release Suspension Dosage Form                        |
| C42951     | INJECTION, SUSPENSION, LIPOSOMAL                                 |               | A liquid parenteral pharmaceutical dosage form structured as a multilamellar composition of concentric phospholipid spheres that encapsulate the drug (drug delivery systems) separated by layers of water. Drug release is facilitated and controlled by in vivo erosion of the liposomes. To further increase the in vivo circulation time, liposomes in some preparations are covalently derivatized with PEG to produce PEGylated or stealth liposomes. Covalent attachment of drugs to the outer surface of liposomes can potentially serve as a delayed-release product. (NCI) | Injectable Liposomal Suspension Dosage Form                               |

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| NCI Code   | CDISC Submission Value           | CDISC Synonym | CDISC Definition  | NCI Preferred Term                          |
| C42988     | INJECTION, SUSPENSION, SONICATED |               | A liquid preparation, suitable for injection, which consists of solid particles dispersed throughout a liquid phase in which the particles are not soluble. In addition, the product is sonicated while a gas is bubbled through the suspension, and this results in the formation of microspheres by the solid particles. (NCI)  | Injectable Sonicated Suspension Dosage Form |
| C60933     | INSERT                           |               | A specially formulated and shaped non-encapsulated solid preparation intended to be placed into a non-rectal orifice of the body, where drug is released, generally for localized effects.  | Insert Dosage Form                          |
| C42922     | INSERT, EXTENDED RELEASE         |               | A specially formulated and shaped solid preparation (e.g., ring, tablet, or stick) intended to be placed in the vagina by special inserters, where the medication is released, generally for localized effects; the extended release preparation is designed to allow a reduction in dosing frequency. (NCI)  | Extended Release Insert Dosage Form         |
| C47915     | INTRAUTERINE DEVICE              |               | A device inserted and left in the uterus to prevent effective conception. (NCI)   | Intrauterine Device Dosage Form             |
| C42947     | IRRIGANT                         |               | A sterile solution intended to bathe or flush open wounds or body cavities; they're used topically, never parenterally. (NCI)   | Irrigant Dosage Form                        |
| C42948     | JELLY                            |               | A class of gels--semisolid systems which consist of suspensions made up of either small inorganic particles or large organic molecules interpenetrated by a liquid--in which the structural coherent matrix contains a high portion of liquid, usually water. (NCI)   | Jelly Dosage Form                           |
| C47916     | KIT                              |               | A packaged collection of related material. (NCI)  | Kit Dosage Form                             |
| C45413     | LINER, DENTAL                    |               | A material applied to the inside of the dental cavity, for protection or insulation of the surface.   | Dental Liner Dosage Form                    |
| C42949     | LINIMENT                         |               | A solution or mixture of various substances in oil, alcoholic solutions of soap, or emulsions intended for external application. (NCI)  | Liniment Dosage Form                        |
| C42952     | LIPSTICK                         |               | A waxy solid, usually colored cosmetic, in stick form for the lips. (NCI)   | Lipstick Dosage Form                        |
| C42953     | LIQUID                           |               | A dosage form consisting of a pure chemical in its liquid state. This dosage form term should not be applied to solutions. Note: A liquid is pourable; it flows and conforms to its container at room temperature. It displays Newtonian or pseudoplastic flow behavior.  | Liquid Dosage Form                          |
| C60934     | LIQUID, EXTENDED RELEASE         |               | A liquid that delivers a drug in such a manner to allow a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form.  | Extended Release Liquid Dosage Form         |
| C29167     | LOTION                           |               | An emulsion, liquid (1) dosage form. This dosage form is generally for external application to the skin (2). Note 1: A liquid is pourable; it flows and conforms to its container at room temperature. It displays Newtonian or pseudoplastic flow behavior. Note 2: Previously the definition of a lotion was: The term lotion has been used to categorize many topical suspensions, solutions, and emulsions intended for application to the skin. The current definition of a lotion is restricted to an emulsion. | Lotion Dosage Form                          |
| C60957     | LOTION, AUGMENTED                |               | A lotion dosage form that enhances drug delivery. Augmentation does not refer to the strength of the drug in the dosage form. NOTE: CDER has decided to refrain from expanding the use of this dosage form due to difficulties in setting specific criteria that must be met to be considered augmented.  | Augmented Lotion Dosage Form                |
| C60958     | LOTION/SHAMPOO                   |               | A lotion dosage form which has a soap or detergent that is usually used to clean the hair and scalp; it is often used as a vehicle for dermatologic agents.   | Lotion Shampoo Dosage Form                  |
| C42955     | LOZENGE                          |               | A solid preparation containing one or more medicaments, usually in a flavored, sweetened base which is intended to dissolve or disintegrate slowly in the mouth. A lollipop is a lozenge on a stick.  | Lozenge Dosage Form                         |
| C29269     | MOUTHWASH                        |               | An aqueous solution which is most often used for its deodorant, refreshing, or antiseptic effect. (NCI)   | Mouthwash Dosage Form                       |

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| NCI Code   | CDISC Submission Value                           | CDISC Synonym | CDISC Definition  | NCI Preferred Term   |
| C48624     | NOT APPLICABLE                                   |               | The use of a dosage form term is not relevant or appropriate. (NCI)   | Dosage Form Not Applicable                                 |
| C42965     | OIL  |               | An unctuous, combustible substance which is liquid, or easily liquefiable, on warming, and is soluble in ether but insoluble in water. Such substances, depending on their origin, are classified as animal, mineral, or vegetable oils. (NCI)  | Oil Dosage Form  |
| C42966     | OINTMENT   | oint          | A suspension or emulsion, semisolid (1) dosage form, usually containing < 20% water and volatiles (2) and > 50% hydrocarbons, waxes, or polyols as the vehicle. This dosage form is generally for external application to the skin or mucous membranes. Note 1: A semisolid is not pourable; it does not flow or conform to its container at room temperature. It does not flow at low shear stress and generally exhibits plastic flow behavior. Note 2: Percent water and volatiles are measured by a loss on drying test in which the sample is heated at 105 degrees C until constant weight is achieved. | Ointment Dosage Form                                       |
| C60984     | OINTMENT, AUGMENTED                              |               | An ointment dosage form that enhances drug delivery. Augmentation does not refer to the strength of the drug in the dosage form. NOTE: CDER has decided to refrain from expanding the use of this dosage form due to difficulties in setting specific criteria that must be met to be considered augmented.   | Augmented Ointment Dosage Form                             |
| C47887     | PACKING  |               | A material, usually covered by or impregnated with a drug, that is inserted into a body cavity or between the tooth enamel and the gingival margin.   | Packing Dosage Form  |
| C42967     | PASTE  |               | A semisolid dosage form, containing a large proportion (20 - 50%) of solids finely dispersed in a fatty vehicle. This dosage form is generally for external application to the skin or mucous membranes. Note: A semisolid is not pourable; it does not flow or conform to its container at room temperature. It does not flow at low shear stress and generally exhibits plastic flow behavior. (NCI)  | Paste Dosage Form  |
| C42907     | PASTE, DENTIFRICE                                |               | A paste formulation intended to clean and/or polish the teeth, and which may contain certain additional agents. (NCI)   | Dentifrice Paste Dosage Form                               |
| C60985     | PASTILLE   |               | An aromatic preparation, often with a pleasing flavor, usually intended to dissolve in the mouth.   | Pastille Dosage Form                                       |
| C42968     | PATCH  |               | A drug delivery system that often contains an adhesive backing that is usually applied to an external site on the body. Its ingredients either passively diffuse from, or are actively transported from, some portion of the patch. Depending upon the patch, the ingredients are either delivered to the outer surface of the body or into the body. A patch is sometimes synonymous with the terms Extended Release Film and System.  | Patch Dosage Form  |
| C42923     | PATCH, EXTENDED RELEASE                          |               | A drug delivery system in the form of a patch that releases the drug in such a manner that a reduction in dosing frequency compared to that drug presented as a conventional dosage form (e.g., a solution or a prompt drug-releasing, conventional solid dosage form). (NCI)   | Extended Release Patch Dosage Form                         |
| C42911     | PATCH, EXTENDED RELEASE, ELECTRICALLY CONTROLLED |               | A drug delivery system in the form of a patch which is controlled by an electric current that releases the drug in such a manner that a reduction in dosing frequency compared to that drug presented as a conventional dosage form (e.g., a solution or a prompt drug-releasing, conventional solid dosage form). (NCI)  | Electrically Controlled Extended Release Patch Dosage Form |
| C42969     | PELLET   |               | A small sterile solid mass consisting of a highly purified drug (with or without excipients) made by the formation of granules, or by compression and molding. (NCI)  | Pellet Dosage Form   |
| C42943     | PELLET, IMPLANTABLE                              |               | A small sterile solid mass consisting of a highly purified drug (with or without excipients) made by the formation of granules, or by compression and molding; they are intended for implantation in the body (usually subcutaneously) for the purpose of providing continuous release of the drug over long periods of time.   | Implantable Pellet Dosage Form                             |

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| NCI Code   | CDISC Submission Value            | CDISC Synonym | CDISC Definition  | NCI Preferred Term                         |
| C42918     | PELLETS, COATED, EXTENDED RELEASE |               | A solid dosage form in which the drug itself is in the form of granules to which varying amounts of coating have been applied, and which releases a drug (or drugs) in such a manner to allow a reduction in dosing frequency as compared to that drug (or drugs) presented as a conventional dosage form. (NCI)    | Extended Release Coated Pellet Dosage Form |
| C25394     | PILL                              |               | A dose of medicine in the form of a small pellet. (NCI)   | Pill Dosage Form                           |
| C42970     | PLASTER                           |               | Substance intended for external application made of such materials and of such consistency as to adhere to the skin and attach to a dressing; plasters are intended to afford protection and support and/or to furnish an occlusion and macerating action and to bring medication into close contact with the skin. | Plaster Dosage Form                        |
| C47913     | POULTICE                          |               | A soft, moist mass of meal, herbs, seed, etc., usually applied hot in cloth that consists of gruel-like consistency. (NCI)  | Poultice Dosage Form                       |
| C42972     | POWDER                            |               | An intimate mixture of dry, finely divided drugs and/or chemicals that may be intended for internal or external use. (NCI)  | Powder Dosage Form                         |
| C42908     | POWDER, DENTIFRICE                |               | A powder formulation intended to clean and/or polish the teeth, and which may contain certain additional agents. (NCI)  | Dentifrice Powder Dosage Form              |
| C42973     | POWDER, FOR SOLUTION              |               | An intimate mixture of dry, finely divided drugs and/or chemicals, which, upon the addition of suitable vehicles, yields a solution. (NCI)  | Powder for Solution Dosage Form            |
| C42975     | POWDER, FOR SUSPENSION            |               | An intimate mixture of dry, finely divided drugs and/or chemicals, which, upon the addition of suitable vehicles, yields a suspension (a liquid preparation containing the solid particles dispersed in the liquid vehicle). (NCI)  | Powder for Suspension Dosage Form          |
| C42961     | POWDER, METERED                   |               | A powder dosage form that is situated inside a container that has a mechanism to deliver a specified quantity. (NCI)  | Metered Powder Dosage Form                 |
| C60988     | RING                              |               | A small circular object with a vacant circular center that is usually intended to be placed in the body by special inserters, where the medication is released, generally for localized effects.  | Ring Dosage Form                           |
| C42979     | RINSE                             |               | A liquid used to cleanse by flushing. (NCI)   | Rinse Dosage Form                          |
| C42980     | SALVE                             |               | A thick ointment or cerate (a fat or wax based preparation with a consistency between an ointment and a plaster). (NCI)   | Salve Dosage Form                          |
| C42981     | SHAMPOO                           |               | A liquid soap or detergent used to clean the hair and scalp and is often used as a vehicle for dermatologic agents. (NCI)   | Shampoo Dosage Form                        |
| C42982     | SHAMPOO, SUSPENSION               |               | A liquid soap or detergent containing one or more solid, insoluble substances dispersed in a liquid vehicle that is used to clean the hair and scalp and is often used as a vehicle for dermatologic agents. (NCI)  | Shampoo Suspension Dosage Form             |
| C42983     | SOAP                              |               | Any compound of one or more fatty acids, or their equivalents, with an alkali; soap is detergent and is much employed in liniments, enemas, and in making pills. It is also a mild aperient, antacid and antiseptic. (NCI)  | Soap Dosage Form                           |
| C42986     | SOLUTION                          |               | A clear, homogeneous liquid dosage form that contains one or more chemical substances dissolved in a solvent or mixture of mutually miscible solvents. Note: A liquid is pourable; it flows and conforms to its container at room temperature. It displays Newtonian or pseudoplastic flow behavior.                | Solution Dosage Form                       |
| C42898     | SOLUTION, CONCENTRATE             |               | A liquid preparation (i.e., a substance that flows readily in its natural state) that contains a drug dissolved in a suitable solvent or mixture of mutually miscible solvents; the drug has been strengthened by the evaporation of its non-active parts. (NCI)  | Concentrated Solution Dosage Form          |
| C42987     | SOLUTION, FOR SLUSH               |               | A solution for the preparation of an iced saline slush, which is administered by irrigation and used to induce regional hypothermia (in conditions such as certain open heart and kidney surgical procedures) by its direct application. (NCI)  | Solution for Slush Dosage Form             |

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| NCI Code   | CDISC Submission Value                  | CDISC Synonym | CDISC Definition   | NCI Preferred Term                                |
| C60994     | SOLUTION, GEL FORMING / DROPS           |               | A solution, which after usually being administered in a drop-wise fashion, forms a gel.  | Gel Forming Drop Solution Dosage Form             |
| C42935     | SOLUTION, GEL FORMING, EXTENDED RELEASE |               | A solution that forms a gel when it comes in contact with ocular fluid, and which allows at least a reduction in dosing frequency.   | Extended Release Gel Forming Solution Dosage Form |
| C60992     | SOLUTION/ DROPS                         |               | A solution which is usually administered in a drop-wise fashion.   | Drop Solution Dosage Form                         |
| C47912     | SPONGE                                  |               | A porous, interlacing, absorbent material that contains a drug. It is typically used for applying or introducing medication, or for cleansing. A sponge usually retains its shape.   | Sponge Dosage Form                                |
| C42989     | SPRAY                                   |               | A liquid minutely divided as by a jet of air or steam. (NCI)   | Spray Dosage Form                                 |
| C42962     | SPRAY, METERED                          |               | A non-pressurized dosage form consisting of valves which allow the dispensing of a specified quantity of spray upon each activation. (NCI)   | Metered Spray Dosage Form                         |
| C42990     | SPRAY, SUSPENSION                       |               | A liquid preparation containing solid particles dispersed in a liquid vehicle and in the form of coarse droplets or as finely divided solids to be applied locally, most usually to the nasal-pharyngeal tract, or topically to the skin. (NCI)  | Spray Suspension Dosage Form                      |
| C42991     | STICK                                   |               | A dosage form prepared in a relatively long and slender often cylindrical form. (NCI)  | Stick Dosage Form                                 |
| C47914     | STRIP                                   |               | A long narrow piece of material.   | Strip Dosage Form                                 |
| C42993     | SUPPOSITORY                             | supp          | A solid body of various weights and shapes, adapted for introduction into the rectal, vaginal, or urethral orifice of the human body; they usually melt, soften, or dissolve at body temperature.  | Suppository Dosage Form                           |
| C42924     | SUPPOSITORY, EXTENDED RELEASE           |               | A drug delivery system in the form of a suppository that allows at least a reduction in dosing frequency. (NCI)  | Extended Release Suppository Dosage Form          |
| C42994     | SUSPENSION                              | susp          | A liquid dosage form that contains solid particles dispersed in a liquid vehicle. Note: A liquid is pourable; it flows and conforms to its container at room temperature. It displays Newtonian or pseudoplastic flow behavior.  | Suspension Dosage Form                            |
| C42925     | SUSPENSION, EXTENDED RELEASE            |               | A liquid preparation consisting of solid particles dispersed throughout a liquid phase in which the particles are not soluble; the suspension has been formulated in a manner to allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form (e.g., as a solution or a prompt drug-releasing, conventional solid dosage form). (NCI) | Extended Release Suspension Dosage Form           |
| C60995     | SUSPENSION/DROPS                        |               | A suspension which is usually administered in a dropwise fashion.  | Drop Suspension Dosage Form                       |
| C47889     | SUTURE                                  |               | A strand or fiber used to hold wound edges in apposition during healing. (NCI)   | Suture Dosage Form                                |
| C47898     | SWAB                                    |               | A small piece of relatively flat absorbent material that contains a drug. A swab may also be attached to one end of a small stick. A swab is typically used for applying medication or for cleansing.  | Swab Dosage Form                                  |
| C42996     | SYRUP                                   |               | An oral solution containing high concentrations of sucrose or other sugars; the term has also been used to include any other liquid dosage form prepared in a sweet and viscid vehicle, including oral suspensions. (NCI)  | Syrup Dosage Form                                 |
| C42998     | TABLET                                  | tab           | A solid dosage form containing medicinal substances with or without suitable diluents. (NCI)   | Tablet Dosage Form                                |
| C42893     | TABLET, CHEWABLE                        |               | A solid dosage form containing medicinal substances with or without suitable diluents that is intended to be chewed, producing a pleasant tasting residue in the oral cavity that is easily swallowed and does not leave a bitter or unpleasant after-taste. (NCI)   | Chewable Tablet Dosage Form                       |
| C42897     | TABLET, COATED                          |               | A solid dosage form that contains medicinal substances with or without suitable diluents and is covered with a designated coating. (NCI)   | Coated Tablet Dosage Form                         |
| C60997     | TABLET, COATED PARTICLES                |               | A solid dosage form containing a conglomerate of medicinal particles that have each been covered with a coating.   | Tablet Coated Particle Dosage Form                |

| C66726 FRM |  |               |   |  |
|------------|--|---------------|---|--|
| NCI Code   | CDISC Submission Value                         | CDISC Synonym | CDISC Definition  | NCI Preferred Term                                       |
| C42905     | TABLET, DELAYED RELEASE                        |               | A solid dosage form which releases a drug (or drugs) at a time other than promptly after administration. Enteric-coated articles are delayed release dosage forms. (NCI)  | Delayed Release Tablet Dosage Form                       |
| C42997     | TABLET, DELAYED RELEASE PARTICLES              |               | A solid dosage form containing a conglomerate of medicinal particles that have been covered with a coating which releases a drug (or drugs) at a time other than promptly after administration. Enteric-coated articles are delayed release dosage forms. (NCI)   | Delayed Release Particle Tablet Dosage Form              |
| C42910     | TABLET, EFFERVESCENT                           |               | A solid dosage form containing mixtures of acids (e.g., citric acid, tartaric acid) and sodium bicarbonate, which release carbon dioxide when dissolved in water; it is intended to be dissolved or dispersed in water before administration.   | Effervescent Tablet Dosage Form                          |
| C42927     | TABLET, EXTENDED RELEASE                       |               | A solid dosage form containing a drug which allows at least a reduction in dosing frequency as compared to that drug presented in conventional dosage form. (NCI)   | Extended Release Tablet Dosage Form                      |
| C42931     | TABLET, FILM COATED                            |               | A solid dosage form that contains medicinal substances with or without suitable diluents and is coated with a thin layer of a water-insoluble or water-soluble polymer. (NCI)   | Film Coated Tablet Dosage Form                           |
| C42930     | TABLET, FILM COATED, EXTENDED RELEASE          |               | A solid dosage form that contains medicinal substances with or without suitable diluents and is coated with a thin layer of a water-insoluble or water-soluble polymer; the tablet is formulated in such manner as to make the contained medicament available over an extended period of time following ingestion.  | Film Coated Extended Release Tablet Dosage Form          |
| C61004     | TABLET, FOR SOLUTION                           |               | A tablet that forms a solution when placed in a liquid.   | Tablet for Solution Dosage Form                          |
| C61005     | TABLET, FOR SUSPENSION                         |               | A tablet that forms a suspension when placed in a liquid (formerly referred to as a Dispersible Tablet).  | Tablet for Suspension Dosage Form                        |
| C42964     | TABLET, MULTILAYER                             |               | A solid dosage form containing medicinal substances that have been compressed to form a multiple-layered tablet or a tablet-within-a-tablet, the inner tablet being the core and the outer portion being the shell. (NCI)   | Multilayered Tablet Dosage Form                          |
| C42963     | TABLET, MULTILAYER, EXTENDED RELEASE           |               | A solid dosage form containing medicinal substances that have been compressed to form a multiple-layered tablet or a tablet-within-a-tablet, the inner tablet being the core and the outer portion being the shell, which, additionally, is covered in a designated coating; the tablet is formulated in such manner as to allow at least a reduction in dosing frequency as compared to that drug presented as a conventional dosage form. (NCI) | Multilayered Extended Release Tablet Dosage Form         |
| C42999     | TABLET, ORALLY DISINTEGRATING                  |               | A solid dosage form containing medicinal substances which disintegrates rapidly, usually within a matter of seconds, when placed upon the tongue. (NCI)   | Orally Disintegrating Tablet Dosage Form                 |
| C61006     | TABLET, ORALLY DISINTEGRATING, DELAYED RELEASE |               | A solid dosage form containing medicinal substances which disintegrates rapidly, usually within a matter of seconds, when placed upon the tongue, but which releases a drug (or drugs) at a time other than promptly after administration.  | Orally Disintegrating Delayed Release Tablet Dosage Form |
| C42985     | TABLET, SOLUBLE                                |               | A solid dosage form that contains medicinal substances with or without suitable diluents and possesses the ability to dissolve in fluids. (NCI)   | Soluble Tablet Dosage Form                               |
| C42992     | TABLET, SUGAR COATED                           |               | A solid dosage form that contains medicinal substances with or without suitable diluents and is coated with a colored or an uncolored water-soluble sugar. (NCI)  | Sugar Coated Tablet Dosage Form                          |
| C47892     | TAMPON   |               | A plug made of cotton, sponge, or oakum variously used in surgery to plug the nose, vagina, etc., for the control of hemorrhage or the absorption of secretions. (NCI)  | Tampon Dosage Form                                       |
| C47897     | TAPE   |               | A narrow woven fabric, or a narrow extruded synthetic (such as plastic), usually with an adhesive on one or both sides. (NCI)   | Tape Dosage Form   |
| C43000     | TINCTURE                                       |               | An alcoholic or hydroalcoholic solution prepared from vegetable materials or from chemical substances. (NCI)  | Tincture Dosage Form                                     |
| C43001     | TROCHE   |               | A discoid-shaped solid containing the medicinal agent in a suitably flavored base; troches are placed in the mouth where they slowly dissolve, liberating the active ingredients. (NCI)   | Troche Dosage Form                                       |

| <b>C66726 FRM</b> |                               |                      |  |                           |
|-------------------|-------------------------------|----------------------|--|---------------------------|
| <b>NCI Code</b>   | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b> | <b>CDISC Definition</b>                                      | <b>NCI Preferred Term</b> |
| C43002            | UNASSIGNED                    |                      | A dosage form has yet to be assigned. (NCI)                  | Unassigned Dosage Form    |
| C43003            | WAFER                         |                      | A thin slice of material containing a medicinal agent. (NCI) | Wafer Dosage Form         |



## FWTEST (Food and Water Consumption Test Name)

NCI Code: C89969, Codelist extensible: Yes

| C89969 FWTEST |                                       |                                       |   |   |
|---------------|---------------------------------------|---------------------------------------|---|---|
| NCI Code      | CDISC Submission Value                | CDISC Synonym                         | CDISC Definition  | NCI Preferred Term                        |
| C90384        | Food Consumption                      | Food Consumption                      | A measurement of a subject's nutritional intake. (NCI)              | Food Consumption                          |
| C90385        | Food Consumption Relative to Body Wt  | Food Consumption Relative to Body Wt  | The ratio or percentage of nutritional intake to body weight. (NCI) | Food Consumption Relative to Body Weight  |
| C90484        | Water Consumption                     | Water Consumption                     | A measurement of a subject's water intake. (NCI)                    | Water Consumption                         |
| C90485        | Water Consumption Relative to Body Wt | Water Consumption Relative to Body Wt | The ratio or percentage of water intake to body weight. (NCI)       | Water Consumption Relative to Body Weight |

## FWTESTCD (Food and Water Consumption Test Code)

NCI Code: C89970, Codelist extensible: Yes

| C89970 FWTESTCD |                        |                                       |   |   |
|-----------------|------------------------|---------------------------------------|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                         | CDISC Definition  | NCI Preferred Term                        |
| C90384          | FC                     | Food Consumption                      | A measurement of a subject's nutritional intake. (NCI)              | Food Consumption                          |
| C90385          | FCRELBW                | Food Consumption Relative to Body Wt  | The ratio or percentage of nutritional intake to body weight. (NCI) | Food Consumption Relative to Body Weight  |
| C90484          | WC                     | Water Consumption                     | A measurement of a subject's water intake. (NCI)                    | Water Consumption                         |
| C90485          | WCRELBW                | Water Consumption Relative to Body Wt | The ratio or percentage of water intake to body weight. (NCI)       | Water Consumption Relative to Body Weight |

## FXFINDRS (Fetal Pathology Findings Result)

NCI Code: C124310, Codelist extensible: Yes

| C124310 FXFINDRS |                                |                     |  |                                |
|------------------|--------------------------------|---------------------|--|--------------------------------|
| NCI Code         | CDISC Submission Value         | CDISC Synonym       | CDISC Definition   | NCI Preferred Term             |
| C124485          | ABNORMAL CONSISTENCY           | Altered Consistency | Atypical consistency observed in the contents of a structure.  | Altered Consistency            |
| C124486          | ABNORMAL FISSURE               |                     | An atypical long narrow slit or groove that divides an organ into lobes, or tissues and bone into parts. (NCI)   | Abnormal Fissure               |
| C124487          | ABNORMAL FLEXURE               |                     | A flexure that is deviating from the norm or outside the bounds of what is considered normal.  | Abnormal Flexure               |
| C124488          | ABNORMAL LOBATION              |                     | A lobation that is deviating from the norm or outside the bounds of what is considered normal.   | Abnormal Lobation              |
| C124489          | ABNORMAL ORIGIN                |                     | An origin that is deviating from the norm or outside the bounds of what is considered normal.  | Abnormal Origin                |
| C124490          | ABNORMAL SUTURE                |                     | Skull bones out of alignment causing the suture to deviate from its normal pattern.  | Abnormal Suture Line           |
| C124491          | ABNORMAL TEXTURE               | Altered Texture     | Atypical texture observed in the surface of a structure.   | Altered Texture                |
| C48190           | ABSENT                         |                     | Not existing in a specified place at a specified time. (NCI)   | Absent                         |
| C124492          | ABSENT FISSURE                 |                     | The lack of a long narrow slit or groove that normally divides an organ into lobes, or tissues and bone into parts. (NCI)  | Absent Fissure                 |
| C124493          | ACEPHALOSTOMIA                 |                     | Absence of the head but with the presence of mouth-like orifice in the neck region. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Acephalostomia                 |
| C54685           | ADHESION                       |                     | A fibrinous or fibrous connection between two surfaces or tissues, connecting tissues or organs that are not normally attached.  | Tissue Adhesion                |
| C124494          | AMNIOTIC BAND                  |                     | Fibrous bands from the amnion that may entangle the fetus, causing constriction.   | Amniotic Band                  |
| C84560           | ANENCEPHALY                    |                     | Absence of the cranial region of the head, with the brain absent or reduced. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)        | Anencephaly                    |
| C26693           | ANEURYSM                       |                     | Localized sac formed by dilatation of an artery or vein that is filled with blood. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Aneurysm                       |
| C124495          | AORTICOPULMONARY SEPTAL DEFECT |                     | Communication between ascending aorta and pulmonary trunk. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                          | Aorticopulmonary Septal Defect |

**C124310 FXFINDRS**

| NCI Code | CDISC Submission Value         | CDISC Synonym           | CDISC Definition   | NCI Preferred Term             |
|----------|--------------------------------|-------------------------|--|--------------------------------|
| C124496  | ASYMMETRIC OSSIFICATION        | Misaligned Ossification | Commonly used for structures arising from two or more primary ossification centers (e.g., sternbrae, vertebral centra). Ossification is greater in one or more of the centers than the other(s). Applies only to ossification sites and does not imply that the structure, as represented by the bone precursor, is asymmetrical. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Asymmetric Ossification        |
| C124497  | ATRESIA                        | Atretic                 | Absence or closure of a normal body orifice or tubular organ. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Atresia                        |
| C84473   | ATRIAL SEPTAL DEFECT           | Atrial Septum Defect    | A congenital disorder characterized by the presence of a defect (opening) in the septum that separates the two atria of the heart.   | Atrial Septal Defect           |
| C101029  | ATRIOVENTRICULAR SEPTAL DEFECT |                         | Inappropriate communication between atrium and ventricle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Atrioventricular Septal Defect |
| C99673   | AUTOLYSIS                      |                         | Breakdown of tissue.   | Autolysis                      |
| C124498  | BENT                           | Bowed;Curved            | Abnormal curvature. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Bent                           |
| C124499  | BILOBED                        |                         | Organ that has two lobes or is divided into two lobes.   | Bilobular                      |
| C124500  | BIPARTITE OSSIFICATION         |                         | Ossification centers not fused. Commonly used for structures arising from two or more primary ossification centers (e.g., sternbrae, vertebral centra). Applies only to the ossification sites and does not imply that the structure, as represented by the bone precursor, is divided (split). (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                                   | Bipartite Ossification         |
| C124501  | BLOOD FILLED                   |                         | A finding indicating that that an anatomic space or cavity is filled with blood.   | Blood-Filled                   |
| C124502  | BLUNT-TIPPED TAIL              |                         | A tail that is rounded or flat at the end, not tapered. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Blunt-Tipped Tail              |
| C61482   | BRANCHED                       | Bifurcated;Forked       | Having one or more collateral divisions of the structure, resembling the branches of a tree. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Branch                         |
| C124503  | CARTILAGE NOT FUSED            |                         | A finding referring to incomplete or absent chondrogenesis.  | Cartilage Not Fused            |

| C124310 FXFINDRS |                           |                             |   |                           |
|------------------|---------------------------|-----------------------------|---|---------------------------|
| NCI Code         | CDISC Submission Value    | CDISC Synonym               | CDISC Definition  | NCI Preferred Term        |
| C124504          | CARTILAGINOUS FUSION      |                             | Joined together by cartilage.   | Cartilaginous Fusion      |
| C124505          | CAUDAL DYSPLASIA          |                             | Severe reduction of caudal structures, including reduction of or absence of hindlimbs, tail, and/or sacral area. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Caudal Dysplasia          |
| C124506          | CEBOCEPHALY               |                             | Two orbital cavities and two eyes present, the region between being narrowed. Expected skeletal alterations include fused frontonasal and/or maxillary bones and incisors. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cebocephaly               |
| C124507          | CELOSOMY                  |                             | A developmental defect characterized by incomplete closure of the anterior body wall, resulting in herniation, to variable degrees, of thoracic and/or abdominal viscera. The sternum, sternal ends of ribs, and muscular body wall are usually defective or poorly developed. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Celosomy                  |
| C124508          | CHEILOGNATHOPALATOSCHISIS | Cheilognathouranoschisis    | Cleft lip, upper jaw, and palate. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cheilognathopalatoschisis |
| C124509          | CHEILOGNATHOSCHISIS       |                             | Cleft lip and jaw. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cheilognathoschisis       |
| C124510          | CLEFT FACE                | Facial Cleft;Prosoposchisis | Fissure of the face. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Facial Cleft              |
| C124511          | CLEFT JAW                 | Gnathoschisis               | Cleft mandible (lower jaw) or maxilla (upper jaw). (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cleft Jaw                 |
| C87175           | CLEFT LIP                 | Cheiloschisis               | Fissure or split of the upper lip. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cleft Lip                 |
| C124512          | CLEFT MANDIBLE            | Split Mandible              | Cleft mandible (lower jaw).   | Mandibular Cleft          |
| C124513          | CLEFT MAXILLA             | Split Maxilla               | Cleft maxilla (upper jaw).  | Cleft Maxilla             |

**C124310 FXFINDRS**

| NCI Code | CDISC Submission Value | CDISC Synonym        | CDISC Definition  | NCI Preferred Term   |
|----------|------------------------|----------------------|---|----------------------|
| C87069   | CLEFT PALATE           | Palatoschisis        | Fissure or split of the palate. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cleft Palate         |
| C124514  | COLLAPSED LUMEN        |                      | A finding in which the walls of a tube or tubular organ have contorted or buckled into its cavity or channel. (NCI)   | Collapsed Lumen      |
| C124515  | COLORED MATERIAL       |                      | Presence of colored substance. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Red-Brown Material   |
| C124516  | COMMON ORIGIN          |                      | An indication that anatomical structures, typically blood vessels, are arising from the same location.  | Vessel Common Origin |
| C98903   | CONJOINED TWINS        |                      | Monozygotic twins with variable incomplete separation into two during cleavage or early stages of embryogenesis. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                               | Conjoined Twins      |
| C61301   | CONVOLUTED             | Coiled;Twisted       | Folded, curved and/or tortuous windings.  | Convolution          |
| C124517  | CRANIAL MENINGOCELE    |                      | Herniation of meninges through a defect in skull. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cranial Meningocele  |
| C124518  | CRANIOFENESTRIA        |                      | Multiple unossified area(s) of the cranium. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Craniofenestria      |
| C98907   | CRANIORACHISCHISIS     | Cranial Rachischisis | A congenital fissure of both the skull and vertebral column. (Saunders. (1988). Dorland's illustrated medical dictionary. (27th ed.). Philadelphia)   | Craniorachischisis   |
| C124519  | CRANIOSCHISIS          |                      | Fissure of the cranial region of the head with varying degrees of the brain exposed. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cranioschisis        |
| C84655   | CRANIOSYNOSTOSIS       |                      | Premature closure of cranial sutures with fusion of bone, resulting in small maldeveloped skull; used to describe multiple skull bone fusions. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Craniosynostosis     |

| C124310 FXFINDRS |                               |  |   |                               |
|------------------|-------------------------------|--|---|-------------------------------|
| NCI Code         | CDISC Submission Value        | CDISC Synonym                              | CDISC Definition  | NCI Preferred Term            |
| C124520          | CRYPTOPHTHALMIA               | Cryptophthalmos                            | Skin continuous over eye(s) without formation of eyelid(s). (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cryptophthalmia               |
| C124521          | CURLED TAIL                   |  | Tail curved into nearly a full circle, or coiled. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Curled Tail                   |
| C124522          | CYCLOPIA                      | Monophthalmia;Single Eyeball;Synophthalmia | Single median orbit; eyeball(s) can be absent, completely or incompletely fused. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                                       | Cyclopia                      |
| C2978            | CYST                          |  | A sac-like closed pocket of tissue that may be empty or may be filled with fluid, gas, semisolid, or amorphous material. It typically has an outer epithelial-lined capsule.  | Cyst                          |
| C124523          | DECREASED ANOGENITAL DISTANCE |  | Shortened distance between anus and genital tubercle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Anogenital Distance Decreased |
| C124639          | DEPRESSION                    |  | Nonpatent localized recess in a structure or tissue. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Depression                    |
| C124524          | DETACHED                      | Floating;Non-articulated                   | Physically separated or not connected. (NCI)  | Detached                      |
| C84669           | DEXTROCARDIA                  |  | A congenital abnormality in which the heart is located in the right side of the chest.  | Dextrocardia                  |
| C98912           | DIAPHRAGMATIC EVENTRATION     |  | Abnormal anterior protrusion of a part of the diaphragm which is thin and covers variably displaced abdominal viscera. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Diaphragmatic Eventration     |
| C113136          | DILATATION                    | Dilation                                   | Expansion of the cavity, ducts or lumen of a hollow organ or vessel.  | Dilation                      |
| C124525          | DISCOLORED                    |  | Not the normal color. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Discoloration                 |
| C124526          | DISTENDED                     |  | Enlarged or expanded organ due to an increase of the contents. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Distended                     |

| C124310 FXFINDRS |                               |                          |   |                                 |
|------------------|-------------------------------|--------------------------|---|---------------------------------|
| NCI Code         | CDISC Submission Value        | CDISC Synonym            | CDISC Definition  | NCI Preferred Term              |
| C26753           | DIVERTICULUM                  |                          | A sac-like protrusion in the wall of a hollow organ or tissue.  | Diverticulum                    |
| C124527          | DOMED HEAD                    |                          | Cranial region of head appears more elevated and rounded than normal. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Dome-Shaped Head                |
| C98916           | DOUBLE OUTLET RIGHT VENTRICLE |                          | Pulmonary trunk and aorta arise from the right ventricle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Double Outlet Right Ventricle   |
| C62265           | DOUBLED                       |                          | Consisting of or involving two parts or components, often in pairs. (NCI)   | Double                          |
| C124528          | DUMBBELL OSSIFICATION         |                          | Two approximately spherical ossification sites attached at or near the mid-line by an ossified bridge. Commonly used for structures arising from two primary centers (e.g., sternebrae, vertebral centra). Applies only to the ossification sites. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Dumbbell Ossification           |
| C3002            | EDEMA                         |                          | Excessive amount of watery fluid in tissues or cavities, generally characterized microscopically as clear spaces separating tissue components.  | Edema                           |
| C94569           | ERUPTED TOOTH                 |                          | Tooth emerged.  | Tooth Eruption                  |
| C124529          | ETHMOCEPHALY                  |                          | Some degree of cyclopia in which the eyes may be closely set but the snout is small. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Ethmocephaly                    |
| C124530          | EVAGINATION                   |                          | A finding that indicates that an anatomic structure is partially or completely turned inside out.   | Evagination                     |
| C124531          | EXENCEPHALY                   |                          | Brain protrudes outside the skull due to absence of all or part of the cranial vault. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Exencephaly                     |
| C124532          | EXTERNAL AURAL FISTULA        |                          | An opening to a cyst produced by a persistent lateral cervical sinus or reduplicated 1st pharyngeal cleft usually located ventral to the ear. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | External Auditory Canal Fistula |
| C124533          | EXTERNALIZED HEART            | Ectopia Cordis;Exocardia | Heart displaced outside thoracic cavity. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Externalized Heart              |



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| NCI Code | CDISC Submission Value  | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
|----------|-------------------------|---------------|--|--------------------|
| C75000   | FEWER DIGITS            | Ectrodactyly  | Absence of one or more, but not all, digit(s). (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Ectrodactyly       |
| C3045    | FISTULA                 |               | Abnormal passage or communication between two normally unconnected structures, body cavities, or the surface of the body. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                                     | Fistula            |
| C124534  | FLESHY TAB              |               | Small tag of tissue without bony support.  | Fleshy Tab         |
| C124535  | FLUID FILLED            |               | A finding indicating that that an anatomic space or cavity is filled with fluid.   | Fluid-Filled       |
| C124536  | FRAGMENT                |               | A division into several small pieces.  | Fragmented         |
| C124537  | FUSED                   |               | Joined or blended together. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Fused              |
| C117343  | FUSED PLACENTA          |               | An observation in some polyzygotic pregnancies where two placentas are conjoined.  | Fused Placenta     |
| C124538  | FUSED TO FLOOR OF MOUTH | Ankyloglossia | Shortness or absence of the frenulum of the tongue; tongue fused to the floor of the mouth. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Ankyloglossia      |
| C84725   | GASTROSCHISIS           | Eventration   | Fissure of abdominal wall, not involving the umbilicus, and usually accompanied by protrusion of viscera which may or may not be covered by a membranous sac. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Gastroschisis      |
| C124539  | HEMICENTRIC             |               | Absence of either hemicentrum of a centrum. Structural change involving the bone precursor. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Hemicentric        |
| C34674   | HEMIMELIA               |               | Absence or shortening of the distal segment(s) of limbs. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Hemimelia          |
| C124540  | HEMISTERNEBRA           |               | Absent sternebral hemicenter. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Hemisternebra      |

| C124310 FXFINDRS |                           |               |  |                           |
|------------------|---------------------------|---------------|--|---------------------------|
| NCI Code         | CDISC Submission Value    | CDISC Synonym | CDISC Definition   | NCI Preferred Term        |
| C124541          | HEMIVERTEBRA              |               | Absence of a lateral half (arch + hemicentrum) of a vertebra. Structural change involving the bone precursor. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Hemivertebra              |
| C26791           | HEMORRHAGE                |               | The presence of extravascular erythrocytes.  | Hemorrhage                |
| C85207           | HERMAPHRODITISM           |               | A rare condition characterized by the unequivocal presence of both testicular and ovarian tissues in a gonad.  | True Hermaphroditism      |
| C34685           | HERNIA                    |               | The protrusion of part of an organ or fibroadipose tissue through an abnormal opening. (NCI)   | Hernia                    |
| C124542          | HIGH-ARCHED               |               | Arched structure higher than normal, extends further upward.   | High Arch                 |
| C124640          | HOLE                      |               | A perforation in a tissue or organ, such as a discrete area of absent ossification and bone precursor.   | Hole                      |
| C124543          | HOLORACHISCHISIS          |               | Fissure of the entire spinal column. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Holorachischisis          |
| C124544          | HOOKED TAIL               |               | Approximately 180 degree bend or curve of the tail. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Hooked Tail               |
| C98951           | HYPEREXTENSION            |               | The excessive extension or straightening of a limb or a joint. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Hyperextension            |
| C124545          | HYPERFLEXION              |               | The excessive flexion or bending of a limb or a joint. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Hyperflexion              |
| C120893          | HYPOPLASIA                |               | Incomplete or underdevelopment of a tissue or organ. (NCI)   | Hypoplasia                |
| C40341           | HYPOSPADIAS               |               | Urethra opening on the underside of the penis or on the perineum. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Hypospadias               |
| C84784           | IMPERFORATE ANUS          |               | Absence or closure of the anal opening. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Imperforate Anus          |
| C124546          | INCOMPLETE CHONDROGENESIS |               | Incomplete formation of cartilage. (NCI)   | Incomplete Chondrogenesis |

| C124310 FXFINDRS |                               |               |   |                                |
|------------------|-------------------------------|---------------|---|--------------------------------|
| NCI Code         | CDISC Submission Value        | CDISC Synonym | CDISC Definition  | NCI Preferred Term             |
| C124547          | INCOMPLETE OSSIFICATION       |               | Partial ossification at a site that usually has a more advanced degree of ossification. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Incomplete Ossification        |
| C124548          | INCREASED ANOGENITAL DISTANCE |               | Increased distance between anus and genital tubercle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Anogenital distance Increased  |
| C124549          | INIENCEPHALY                  |               | Exposure of occipital brain and upper spinal cord tissue involving extreme retroflexion of the head. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Iniiencephaly                  |
| C124550          | INTERRUPTED                   | Discontinuous | Discontinuity of a longitudinal structure, e.g., blood vessels, ribs, etc. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Discontinuous Anatomic Feature |
| C124551          | ISOLATED OSSIFICATION SITE    |               | Ossification site within the margins of a normal bone precursor but separated from the main ossified (alizarin red stained) area. Does not imply any change to the bone precursor. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Isolated Ossification Site     |
| C124552          | KINKED TAIL                   |               | A localized undulation of the tail.   | Kinked Tail                    |
| C34754           | KYPHOSIS                      |               | Increased dorsal concavity in the curvature of the spinal column as viewed from the side. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Kyphosis                       |
| C49508           | LARGE                         |               | Of considerable or relatively great size, extent, or capacity. (NCI)  | Large                          |
| C124553          | LEFT-SIDED                    |               | Transposition to the left side, which is considered abnormal.   | Left-Sided                     |
| C111647          | LEVOCARDIA                    |               | Left-sided heart in the presence of situs inversus.   | Levocardia                     |
| C25248           | LONG                          | Elongated     | Greater than the normal or expected length. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Long                           |

| C124310 FXFINDRS |                                      |                      |   |                                      |
|------------------|--------------------------------------|----------------------|---|--------------------------------------|
| NCI Code         | CDISC Submission Value               | CDISC Synonym        | CDISC Definition  | NCI Preferred Term                   |
| C34787           | LORDOSIS                             |                      | Increased dorsal convexity in the curvature of the spinal column as viewed from the side. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                                    | Lordosis                             |
| C35724           | LUXATED                              | Dislocated           | A displacement of a bone from its normal position in the joint.   | Dislocation                          |
| C124554          | MALPOSITIONED                        |                      | Not occurring in the proper position and/or orientation. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Malpositioned                        |
| C124555          | MALROTATED                           |                      | Structure rotated from proper position and/or orientation (outward or inward). (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Malrotated                           |
| C124556          | MEMBRANOUS VENTRICULAR SEPTAL DEFECT |                      | An opening in the membranous septum between the ventricles. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Membranous Ventricular Septal Defect |
| C124557          | MENINGOENCEPHALOCLE                  | Encephalomeningocele | Herniation of brain and meninges through a cranial opening. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Encephalomeningocele                 |
| C124558          | MENINGOHYDROENCEPHALOCLE             |                      | Herniation of brain, cerebral ventricle, and meninges through a defect in skull. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Meningohydroencephalocle             |
| C124559          | MISALIGNED                           | Malaligned           | Abnormal position of structures in relation to one another on opposite sides of a dividing line or about the center or axis. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Misalignment                         |
| C124560          | MISSHAPEN                            |                      | Abnormally shaped. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Misshapen                            |
| C87095           | MOTTLED                              |                      | Spotting with patches of discoloration of an organ or tissue. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Mottling                             |

| C124310 FXFINDRS |                                    |                         |  |                                    |
|------------------|------------------------------------|-------------------------|--|------------------------------------|
| NCI Code         | CDISC Submission Value             | CDISC Synonym           | CDISC Definition   | NCI Preferred Term                 |
| C124561          | MULTIPLE MALFORMATIONS             |                         | Used when Region/Organ/Structure has multiple malformations and individual descriptions would be unnecessarily complex. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Multiple Malformations             |
| C124562          | MULTIPLE VARIATIONS                |                         | Used when Region/Organ/Structure has multiple variations and individual descriptions would be unnecessarily complex. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Multiple Abnormalities             |
| C124563          | MUSCULAR VENTRICULAR SEPTAL DEFECT |                         | An opening in the muscular septum between the ventricles. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Muscular Ventricular Septal Defect |
| C124564          | NARROW                             | Coarctation;Constricted | Less than the normal side to side dimension. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Narrow                             |
| C3280            | NODULE                             |                         | A small lump, swelling or collection of tissue. (NCI)  | Nodule                             |
| C124565          | NOT ERUPTED TOOTH                  |                         | Tooth not emerged.   | Tooth Not Erupted                  |
| C124566          | NOT FUSED                          |                         | Not joined to form a single entity.  | Not Fused                          |
| C92839           | OLIGOHYDRAMNIOS                    | Reduced Amniotic Fluid  | Reduced or less than normal amount of amniotic fluid. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Oligohydramnios                    |
| C98997           | OMPHALOCELE                        | Eventration;Exomphalos  | A defect in the abdominal wall at the umbilicus, through which the intestines and other viscera protrude. These may or may not be covered by a thin, translucent sac. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Omphalocele                        |
| C71596           | OPACITY                            |                         | The quality of being opaque to a degree; the degree to which something reduces the passage of light. (NCI)   | Opacity                            |
| C26713           | OPACITY OF THE LENS                | Cataract                | Opacity of the crystalline lens. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cataract                           |
| C124567          | OPEN EYE                           |                         | Eyeball visible. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Open Eye                           |

| C124310 FXFINDRS |                          |               |   |                                |
|------------------|--------------------------|---------------|---|--------------------------------|
| NCI Code         | CDISC Submission Value   | CDISC Synonym | CDISC Definition  | NCI Preferred Term             |
| C124568          | OTOCEPHALY               |               | Absence or extreme underdevelopment of the lower jaw, producing closeness of the ears below the face. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)                    | Otocephaly                     |
| C124569          | OVERRIDING AORTA         |               | Biventricular origin of the aorta. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Overriding Aorta               |
| C50685           | PALE                     |               | An unusual or extreme paleness, state of decreased coloration.  | Pallor                         |
| C84492           | PATENT DUCTUS ARTERIOSUS |               | Open and unobstructed ductus arteriosus postnatally. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Patent Ductus Arteriosus       |
| C124570          | PERSISTENT               |               | Retained embryonic structure past the point in development it is normally present.  | Persistent Embryonic Structure |
| C34928           | PHOCOMELIA               |               | Reduction or absence of proximal portion of limb, with the paws, hands, or feet being closer to the trunk of the body. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Phocomelia                     |
| C92848           | POLYHYDRAMNIOS           |               | Excessive (increased) amount of amniotic fluid. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Polyhydramnios                 |
| C124571          | PREMATURE CLOSURE        |               | Fusion, occlusion, or loss of patency occurring before the usual or proper time.  | Premature Closure              |
| C124572          | PROBOSCIS                |               | Tubular projection replaces snout. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Proboscis                      |
| C36173           | PROLAPSE                 |               | A condition in which an organ drops or bulges out of place. (NCI)   | Prolapse                       |
| C124573          | PROSOPOSCHISIS           |               | Fissure of the face from the mouth to the eye.  | Prosoposchisis                 |
| C124574          | PROTRUDING               |               | Extending outward beyond a surface or boundary.   | Protruding                     |
| C124575          | PSEUDOHERMAPHRODITISM    |               | Gonads of one sex are present, while the external genital organs resemble in whole or in part those of the opposite sex. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Pseudohermaphroditism          |
| C124576          | RED MATERIAL             |               | Descriptive of any tissue into which a red material is observed.  | Red Material                   |

| C124310 FXFINDRS |                        |                 |   |                    |
|------------------|------------------------|-----------------|---|--------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term |
| C124577          | REDUCED NUMBER         |                 | A decrease in expected quantity.  | Reduced Number     |
| C124578          | RETINAL FOLD           |                 | Undulation of retinal layers. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Retinal Fold       |
| C124579          | RETROESOPHAGEAL        |                 | Passing dorsal to the esophagus.  | Retroesophageal    |
| C25660           | RETROTRACHEAL          |                 | Passing dorsal to the trachea. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Retrotracheal      |
| C124580          | RHINOCEPHALY           |                 | Proboscis-like nose above partially or completely fused eyes. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Rhinocephaly       |
| C124581          | RIGHT-SIDED            |                 | Transposition to the right side, which is considered abnormal.  | Right-Sided        |
| C78603           | SCOLIOSIS              |                 | Lateral curvature of the spinal column. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Scoliosis          |
| C124582          | SHARED PLACENTA        | Placental Twins | Two fetuses on one placenta. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Shared Placenta    |
| C25249           | SHORT                  |                 | Less than the normal or expected length. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Short              |
| C48440           | SINGLE                 |                 | One.  | Single             |
| C124583          | SINGLE LOBE            | Unilobular      | Consisting of one lobe.   | Unilobular         |
| C118455          | SIRENOMELIA            | Symmelia        | Any of several degrees of side-to-side fusion of lower extremities and concomitant midline reduction of the pelvis. Soft tissues and long bones, lower paw (feet), and viscera of the pelvis tend to be reduced or absent; anus and external genitalia are often absent. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Sirenomelia        |
| C87121           | SITUS INVERSUS         |                 | Mirror-image transposition of the abdominal and/or thoracic viscera. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Situs Inversus     |

| C124310 FXFINDRS |                        |  |   |                       |
|------------------|------------------------|--|---|-----------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term    |
| C3374            | SKIN TAG               |  | Small appendage of skin. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Skin Tag              |
| C25376           | SMALL                  |  | Limited in number, quantity, magnitude or extent. (NCI)   | Small                 |
| C101214          | SPINA BIFIDA           | Rachischisis;Spinal Meningocele;Spinal Myelocele;Spinal Myelomeningocele | A family of defects in the closure of the spinal column. May be covered with skin (spina bifida occulta) or not covered with skin (spinabifida aperta); may involve protrusion of spinal cord and/or meninges. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Spina Bifida          |
| C124584          | SPLAYED                |  | Paired structures diverge from one another. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Splayed               |
| C54572           | SPLIT                  | Bifid;Cleft  | Division of a single structure (usually into two parts) with no intervening structure between the parts. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Split                 |
| C63758           | SUPERNUMERARY          | Accessory;Extra  | More than the usual or expected number. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Supernumerary         |
| C124585          | SUPERNUMERARY FISSURE  | Additional Fissure   | An extraneous, additional long narrow slit or groove that divides an organ into lobes, or tissues and bone into parts. (NCI)  | Supernumerary Fissure |
| C84505           | TETRALOGY OF FALLOT    |  | Defect of the heart which includes all of the following: pulmonary stenosis, interventricular septal defect, dextraposed aorta overriding the ventricular septum, and enlarged right ventricular wall. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)         | Tetralogy of Fallot   |
| C81186           | THICK                  |  | Relatively greater extent or depth than normal from one surface to the other of a tissue or skeletal element. Describes the three dimensional structure.  | Thick                 |
| C65127           | THIN                   |  | Relatively lesser extent than normal from one surface to the other of a tissue or skeletal element. Describes the three dimensional structure. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Thin                  |



**C124310 FXFINDRS**

| NCI Code | CDISC Submission Value         | CDISC Synonym  | CDISC Definition  | NCI Preferred Term             |
|----------|--------------------------------|--|---|--------------------------------|
| C124586  | THORACOGASTROSCHISIS           | Thoracoceloschisis   | Fissure of thoracic and abdominal walls with thoracic and abdominal viscera, or major parts thereof, exposed ventrally. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Thoracogastroschisis           |
| C124587  | THORACOSCHISIS                 |  | Fissure of thoracic wall. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Thoracoschisis                 |
| C124588  | THREAD-LIKE                    | Filamentous  | Resembling a thread or pertaining to thread-like structures.  | Thread-Like                    |
| C124589  | THREE-CHAMBERED HEART          | Cor Triloculare  | Three-chambered heart with two atria and a ventricle or one atrium and two ventricles. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Cor Triloculare                |
| C124590  | THYMIC CORD                    | Extra Thymic Tissue;Thymic Remnant in the Neck;Thymus Long Cranially | Partially undescended horn of thymus. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Thymic Cord                    |
| C84742   | TRANSPOSITION OF GREAT VESSELS |  | Origin of aorta from right ventricle and pulmonary trunk from left ventricle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Transposition of Great Vessels |
| C124591  | TWO-CHAMBERED HEART            | Cor Biloculare   | Two-chambered heart with an atrium and a ventricle. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Cor Biloculare                 |
| C2888    | UNEXPANDED LUNG                |  | The partial or total collapse of alveoli and/or airways.  | Atelectasis                    |
| C124641  | UNOSSIFIED                     |  | Absence of ossification (assessed by absence of alizarin red stain) at a site which, in controls of the same age, is usually at least partially ossified. Applies only to the ossification site and does not imply any change to the bone precursor. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Unossified                     |
| C124642  | UNOSSIFIED LINE                | Supernumerary Suture   | Linear break in ossification with underlying bone precursor present. Usually seen in the intramembranous bones of the skull. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)   | Supernumerary Cranial Sutures  |

| C124310 FXFINDRS |                        |  |  |                    |
|------------------|------------------------|--|--|--------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term |
| C96301           | UNREMARKABLE           | Normal Appearance;Within Normal Limits | No abnormalities detected.   | Unremarkable       |
| C124592          | WAVY RIB               |  | Undulation(s) along the length of a rib. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.)  | Wavy Rib           |
| C124593          | WIDE                   |  | Greater than the normal or expected width. More than the normal side to side dimension. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Wide               |

## FXRESCAT (Fetal Pathology Findings Result Category)

NCI Code: C124313, Codelist extensible: Yes

| C124313 FXRESCAT |                        |               |  |   |
|------------------|------------------------|---------------|--|---|
| NCI Code         | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term                          |
| C36287           | MALFORMATION           |               | A permanent structural change that is likely to adversely affect the form, survival or health of the species under study. (Gupta, R. C. ed. (2011) Reproductive and Developmental Toxicology. London, UK: Elsevier, Inc.)                                | Congenital or Acquired Anatomic Abnormality |
| C124594          | OSSIFICATION           |               | A finding related to the change from the expected ossification state in an otherwise normal structure or bone.   | Ossification Abnormality                    |
| C124595          | UNCLASSIFIED           |               | A non-specified anomaly; an anomaly that is not included in a specified grouping of anomalies.   | Unclassified Abnormality                    |
| C25713           | VARIATION              |               | A structural or developmental change that is commonly observed within the population under study and is unlikely to adversely affect survival or health. (Gupta, R. C. ed. (2011) Reproductive and Developmental Toxicology. London, UK: Elsevier, Inc.) | Variation                                   |

## FXTEST (Fetal Pathology Findings Test Name)

NCI Code: C124315, Codelist extensible: Yes

| C124315 FXTEST |                            |                            |   |                            |
|----------------|----------------------------|----------------------------|---|----------------------------|
| NCI Code       | CDISC Submission Value     | CDISC Synonym              | CDISC Definition  | NCI Preferred Term         |
| C124596        | External Examination       | External Examination       | An assessment of the outer body structures.   | External Examination       |
| C124597        | Maternal-Fetal Examination | Maternal-Fetal Examination | An assessment of the shared maternal and fetal tissues including amniotic fluid, umbilical cord and placenta. | Maternal-Fetal Examination |
| C124598        | Skeletal Examination       | Skeletal Examination       | An assessment of the bone and cartilage structures.   | Skeletal Examination       |
| C124599        | Visceral Examination       | Visceral Examination       | An assessment of the internal soft tissue structures.   | Visceral Examination       |

## FXTESTCD (Fetal Pathology Findings Test Code)

NCI Code: C124314, Codelist extensible: Yes

| C124314 FXTESTCD |                        |                            |   |                            |
|------------------|------------------------|----------------------------|---|----------------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym              | CDISC Definition  | NCI Preferred Term         |
| C124596          | EXTREXAM               | External Examination       | An assessment of the outer body structures.   | External Examination       |
| C124597          | MTFTEXAM               | Maternal-Fetal Examination | An assessment of the shared maternal and fetal tissues including amniotic fluid, umbilical cord and placenta. | Maternal-Fetal Examination |
| C124598          | SKELEXAM               | Skeletal Examination       | An assessment of the bone and cartilage structures.   | Skeletal Examination       |
| C124599          | VISCEXAM               | Visceral Examination       | An assessment of the internal soft tissue structures.   | Visceral Examination       |

## ICFINDRS (Implantation Findings Result)

NCI Code: C124317, Codelist extensible: Yes

| C124317 ICFINDRS |                          |               |  |                          |
|------------------|--------------------------|---------------|--|--------------------------|
| NCI Code         | CDISC Submission Value   | CDISC Synonym | CDISC Definition   | NCI Preferred Term       |
| C37987           | ALIVE                    |               | Living; showing characteristics of life.   | Life                     |
| C28554           | DEAD                     | Died          | The absence of life or state of being dead. (NCI)  | Death                    |
| C124600          | EARLY INTRAUTERINE DEATH | Early IUD     | Death of a conceptus that occurred inside the uterus during the embryonic phase of development, with no recognizable tissue structure. | Early Intrauterine Death |
| C124601          | EMPTY IMPLANTATION SITE  |               | An implantation site that contains no discernable embryonic or placental tissue but may contain remnants of the implantation.          | Empty Implantation Site  |
| C50620           | INTRAUTERINE DEATH       | IUD           | Death of a conceptus that occurred inside the uterus.  | Intrauterine Fetal Death |
| C124643          | LATE INTRAUTERINE DEATH  | Late IUD      | Death of a conceptus that occurred inside the uterus during the fetal phase of development, with recognizable tissue structure.        | Late Intrauterine Death  |

## ICRESCAT (Implantation Findings Result Category)

NCI Code: C124316, Codelist extensible: Yes

| C124316 ICRESCAT |                        |               |   |                    |
|------------------|------------------------|---------------|---|--------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C28147           | EMBRYO                 |               | Early stage in the prenatal development of an animal. This stage occurs from implantation until closure of the hard palate. | Embryo             |
| C13235           | FETUS                  |               | Late stage in the prenatal development of an animal. This stage occurs from the closure of the hard palate until birth.     | Fetus              |
| C93204           | RESORPTION             |               | A process in which tissue is absorbed by the body.  | Resorption         |

## ICTEST (Implantation Findings Test Name)

NCI Code: C124319, Codelist extensible: Yes

| C124319 ICTEST |                                    |                                    |   |                                    |
|----------------|------------------------------------|------------------------------------|---|------------------------------------|
| NCI Code       | CDISC Submission Value             | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                 |
| C124279        | Implantation Site Characterization | Implantation Site Characterization | The condition of an implantation site, embryo, or fetus based on examination. | Implantation Site Characterization |



## ICTESTCD (Implantation Findings Test Code)

NCI Code: C124318, Codelist extensible: Yes

| C124318 ICTESTCD |                        |                                    |   |                                    |
|------------------|------------------------|------------------------------------|---|------------------------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                 |
| C124279          | IMPSCHCT               | Implantation Site Characterization | The condition of an implantation site, embryo, or fetus based on examination. | Implantation Site Characterization |

## LAT (Laterality)

NCI Code: C99073, Codelist extensible: Yes

| C99073 LAT |                        |               |   |                    |
|------------|------------------------|---------------|---|--------------------|
| NCI Code   | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C13332     | BILATERAL              |               | Affecting both sides of the body, or a pair of organs.  | Bilateral          |
| C25307     | CONTRALATERAL          |               | Having to do with the opposite side of the body, in relation to a pre-existing reference point. | Contralateral      |
| C25308     | IPSILATERAL            |               | Having to do with the same side of the body, in relation to a pre-existing reference point.     | Ipsilateral        |
| C25230     | LATERAL                |               | Situated at or extending to the side.   | Lateral            |
| C25229     | LEFT                   |               | Being or located on or directed toward the side of the body to the west when facing north.      | Left               |
| C25228     | RIGHT                  |               | Being or located on or directed toward the side of the body to the east when facing north.      | Right              |
| C68598     | UNILATERAL             |               | Affecting one side of the body or one of a pair of organs.                                      | Unilateral         |

## LBTEST (Laboratory Test Name)

NCI Code: C67154, Codelist extensible: Yes

| C67154 LBTEST |                                   |  |   |   |
|---------------|-----------------------------------|--|---|---|
| NCI Code      | CDISC Submission Value            | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
| C92267        | 1, 25-Dihydroxyvitamin D          | 1, 25-Dihydroxyvitamin D;Active Vitamin D  | A measurement of the total active Vitamin D in a biological specimen.   | 1, 25-Dihydroxyvitamin D Measurement                              |
| C124334       | 1,5-Anhydroglucitol               | 1,5-Anhydroglucitol  | A measurement of the 1,5-anhydroglucitol in a biological specimen.  | 1,5-Anhydroglucitol Measurement                                   |
| C103344       | 11-Dehydro-Thromboxane B2         | 11-Dehydro-Thromboxane B2  | A measurement of the 11-dehydro-thromboxane B2 in a biological specimen.  | 11-Dehydro-Thromboxane B2 Measurement                             |
| C92268        | 25-Hydroxyvitamin D               | 25-Hydroxyvitamin D;Inactive Vitamin D   | A measurement of the total inactive Vitamin D in a biological specimen.   | 25-Hydroxyvitamin D Measurement                                   |
| C103345       | 3,4-Dihydroxyphenylacetic Acid    | 3,4-Dihydroxyphenylacetic Acid   | A measurement of the 3,4-dihydroxyphenylacetic acid in a biological specimen.   | 3,4-Dihydroxyphenylacetic Acid Measurement                        |
| C101017       | 3,4-Dihydroxyphenylglycol         | 3,4-Dihydroxyphenylglycol;3,4-Dihydroxyphenylglycol  | A measurement of the catecholamine metabolite, 3,4-Dihydroxyphenylglycol in a biological specimen.  | 3,4-Dihydroxyphenylglycol Measurement                             |
| C75359        | 3,4-methylenedioxymethamphetamine | 3,4-methylenedioxymethamphetamine;Ecstasy  | A measurement of the 3,4-methylenedioxymethamphetamine (MDMA) in a biological specimen.   | 3,4-Methylenedioxymethamphetamine Measurement                     |
| C79437        | 5 Prime Nucleotidase              | 5 Prime Nucleotidase;5'-Ribonucleotide Phosphohydrolase  | A measurement of the 5'-nucleotidase in a biological specimen.  | 5 Prime Nucleotidase Measurement                                  |
| C112217       | 5-Hydroxyindoleacetic Acid        | 5-Hydroxyindoleacetic Acid   | A measurement of 5-hydroxyindoleacetic acid in a biological specimen.   | 5-Hydroxyindoleacetic Acid Measurement                            |
| C74876        | 6-Monoacetylmorphine              | 6-Monoacetylmorphine   | A measurement of the 6-monoacetylmorphine present in a biological specimen.   | 6-Monoacetylmorphine Measurement                                  |
| C119291       | 8-Iso-PGF2alpha/Creatinine        | 8-Iso-PGF2alpha/Creatinine   | A relative measurement (ratio or percentage) of the prostaglandin F2 alpha isoform 8 to creatinine in a biological specimen.                      | 8-Iso-Prostaglandin F2 Alpha to Creatinine Ratio Measurement      |
| C119292       | 8-Iso-Prostaglandin F2 Alpha      | 8-Iso-Prostaglandin F2 Alpha   | A measurement of the prostaglandin F2 alpha isoform 8 in a biological specimen.   | 8-Iso-Prostaglandin F2 Alpha Measurement                          |
| C96565        | A Fetoprotein L3/A Fetoprotein    | A Fetoprotein L3/A Fetoprotein   | A relative measurement (ratio or percentage) of alpha fetoprotein L3 to total alpha fetoprotein in a biological specimen.                         | Alpha Fetoprotein L3 to Total Alpha Fetoprotein Ratio Measurement |
| C111123       | A Proliferation-Inducing Ligand   | A Proliferation-Inducing Ligand;CD256;TNFSF13;Tumor Necrosis Factor Ligand Superfamily Member 13 | A measurement of the a proliferation-inducing ligand in a biological specimen.  | A Proliferation-Inducing Ligand Measurement                       |
| C111124       | Abnormal Cells                    | Abnormal Cells   | A measurement of the abnormal cells in a biological specimen.   | Abnormal Cell Count   |
| C125939       | ABO Blood Group                   | ABO Blood Group  | The characterization of the blood type of an individual by testing for the presence of A antigen and B antigen on the surface of red blood cells. | ABO Blood Group Determination                                     |
| C74699        | Acanthocytes                      | Acanthocytes   | A measurement of the acanthocytes in a biological specimen.   | Acanthocyte Count   |

**C67154 LBTEST**

| NCI Code | CDISC Submission Value                | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                           |
|----------|---------------------------------------|--|---|--|
| C74633   | Acanthocytes/Erythrocytes             | Acanthocytes/Erythrocytes  | A relative measurement (ratio or percentage) of acanthocytes to all erythrocytes in a biological specimen.  | Acanthocyte to Erythrocyte Ratio Measurement |
| C92247   | Acetoacetic Acid                      | Acetoacetate;Acetoacetic Acid  | A measurement of the acetoacetic acid in a biological specimen.   | Acetoacetic Acid Measurement                 |
| C74838   | Acetylcholine                         | Acetylcholine  | A measurement of the acetylcholine hormone in a biological specimen.  | Acetylcholine Measurement                    |
| C96559   | Acetylcholine Receptor Antibody       | Acetylcholine Receptor Antibody  | A measurement of the acetylcholine receptor antibody in a biological specimen.  | Acetylcholine Receptor Antibody Measurement  |
| C96560   | Acetylcholinesterase                  | Acetylcholinesterase   | A measurement of the acetylcholinesterase in a biological specimen.   | Acetylcholinesterase Measurement             |
| C80163   | Acid Phosphatase                      | Acid Phosphatase   | A measurement of the acid phosphatase in a biological specimen.   | Acid Phosphatase Measurement                 |
| C74912   | Acid Urate Crystals                   | Acid Urate Crystals  | A measurement of the acid urate crystals present in a biological specimen.  | Acid Urate Crystal Measurement               |
| C103348  | Activated Coagulation Time            | Activated Clotting Time;Activated Coagulation Time   | A measurement of the inhibition of blood coagulation in response to anticoagulant therapies.  | Activated Coagulation Time                   |
| C38462   | Activated Partial Thromboplastin Time | Activated Partial Thromboplastin Time  | A measurement of the length of time that it takes for clotting to occur when reagents are added to a plasma specimen. The test is partial due to the absence of tissue factor (Factor III) from the reaction mixture. | Partial Thromboplastin Time                  |
| C100471  | Activated Protein C Resistance        | Activated Protein C Resistance;Factor V Leiden Screen  | A measurement of the resistance in the anticoagulation response to activated protein C in a biological specimen.  | Activated Protein C Resistance Measurement   |
| C98862   | Activated PTT/Standard                | Activated PTT/Standard;Activated PTT/Standard PTT;Activated Partial Thromboplastin Time/Standard Thromboplastin Time | A relative measurement (ratio or percentage) of the subject's partial thromboplastin time to a standard or control partial thromboplastin time.   | Activated PTT/Standard Ratio Measurement     |
| C112219  | Active Ghrelin                        | Active Ghrelin;Ghrelin   | A measurement of active ghrelin in a biological specimen.   | Active Ghrelin Measurement                   |
| C92286   | Acyl Coenzyme A Oxidase               | Acyl CoA Oxidase;Acyl Coenzyme A Oxidase;Fatty Acyl Coenzyme A Oxidase   | A measurement of the acyl coenzyme A oxidase in a biological specimen.  | Acyl Coenzyme A Oxidase Measurement          |
| C102257  | Adenosine Diphosphate                 | Adenosine Diphosphate  | A measurement of the adenosine diphosphate in a biological specimen.  | Adenosine Diphosphate Measurement            |
| C111125  | Adenovirus Antibody                   | Adenovirus Antibody  | A measurement of the adenovirus antibody in a biological specimen.  | Adenovirus Antibody Measurement              |
| C74839   | Adiponectin                           | Adiponectin  | A measurement of the adiponectin hormone in a biological specimen.  | Adiponectin Measurement                      |
| C74780   | Adrenocorticotrophic Hormone          | Adrenocorticotrophic Hormone   | A measurement of the adrenocorticotrophic hormone in a biological specimen.   | Adrenocorticotrophic Hormone Measurement     |

**C67154 LBTEST**

| NCI Code | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
|----------|--|---|--|--|
| C98705   | ADV Viral Load                           | ADV Viral Load  | A measurement of the adenovirus viral load in a biological specimen.   | Adenovirus Viral Load Measurement                    |
| C112220  | Aggrecan Chondroitin Sulfate Epitope 846 | 846-Epitope;Aggrecan Chondroitin Sulfate Epitope 846;CS846;Chondroitin Sulfate Epitope 846;Chondroitin Sulfate Proteoglycan 1 Epitope 846 | A measurement of the 846 epitope present on the chondroitin sulfate chains of aggrecan in a biological specimen. | Aggrecan Chondroitin Sulfate Epitope 846 Measurement |
| C116200  | Agranular Neutrophils                    | Agranular Neutrophils   | A measurement of the agranular neutrophils in a biological specimen.   | Agranular Neutrophils Measurement                    |
| C122091  | Alanine                                  | Alanine   | A measurement of the alanine in a biological specimen.   | Alanine Measurement                                  |
| C100430  | Alanine Aminopeptidase                   | Alanine Aminopeptidase  | A measurement of the alanine aminopeptidase in a biological specimen.  | Alanine Aminopeptidase Measurement                   |
| C64433   | Alanine Aminotransferase                 | Alanine Aminotransferase;SGPT   | A measurement of the alanine aminotransferase in a biological specimen.  | Alanine Aminotransferase Measurement                 |
| C64431   | Albumin                                  | Albumin;Microalbumin  | A measurement of the albumin protein in a biological specimen.   | Albumin Measurement                                  |
| C117829  | Albumin Excretion Rate                   | Albumin Excretion Rate  | A measurement of the amount of albumin being excreted in urine over a defined period of time (e.g. one hour).    | Albumin Urine Excretion Rate                         |
| C74761   | Albumin/Creatinine                       | Albumin/Creatinine;Microalbumin/Creatinine Ratio  | A relative measurement (ratio) of the albumin to the creatinine in a biological specimen.                        | Albumin To Creatinine Protein Ratio Measurement      |
| C74894   | Albumin/Globulin                         | Albumin/Globulin  | The ratio of albumin to globulin in a biological specimen.   | Albumin to Globulin Ratio Measurement                |
| C103453  | Albumin/Total Protein                    | Albumin/Total Protein   | A relative measurement (ratio or percentage) of the albumin to total protein in a biological specimen.           | Albumin to Total Protein Ratio Measurement           |
| C74731   | Aldolase                                 | Aldolase  | A measurement of the aldolase enzyme in a biological specimen.   | Aldolase Measurement                                 |
| C74841   | Aldosterone                              | Aldosterone   | A measurement of the aldosterone hormone in a biological specimen.   | Aldosterone Measurement                              |
| C124338  | Aldosterone/Renin Activity               | Aldosterone/Renin Activity  | A relative measurement (ratio) of the aldosterone to renin activity in a biological specimen.                    | Aldosterone to Renin Activity Ratio Measurement      |
| C64432   | Alkaline Phosphatase                     | Alkaline Phosphatase  | A measurement of the alkaline phosphatase in a biological specimen.  | Alkaline Phosphatase Measurement                     |
| C79438   | Alkaline Phosphatase/Creatinine          | Alkaline Phosphatase/Creatinine   | A relative measurement (ratio or percentage) of the alkaline phosphatase to creatinine in a biological specimen. | Alkaline Phosphatase to Creatinine Ratio Measurement |
| C74732   | Alpha Fetoprotein                        | Alpha Fetoprotein   | A measurement of the alpha fetoprotein in a biological specimen.   | Alpha-fetoprotein Measurement                        |
| C106499  | Alpha Fetoprotein Activity               | Alpha Fetoprotein Activity  | A measurement of the alpha fetoprotein activity in a biological specimen.  | Alpha Fetoprotein Activity Measurement               |
| C96562   | Alpha Fetoprotein L1                     | Alpha Fetoprotein L1  | A measurement of the alpha fetoprotein L1 in a biological specimen.  | Alpha Fetoprotein L1 Measurement                     |

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| NCI Code | CDISC Submission Value              | CDISC Synonym                                 | CDISC Definition  | NCI Preferred Term                                    |
|----------|-------------------------------------|---|---|---|
| C96563   | Alpha Fetoprotein L2                | Alpha Fetoprotein L2                          | A measurement of the alpha fetoprotein L2 in a biological specimen.   | Alpha Fetoprotein L2 Measurement                      |
| C96564   | Alpha Fetoprotein L3                | Alpha Fetoprotein L3                          | A measurement of the alpha fetoprotein L3 in a biological specimen.   | Alpha Fetoprotein L3 Measurement                      |
| C79433   | Alpha Glutathione-S-Transferase     | Alpha Glutathione-S-Transferase               | A measurement of the alpha form of glutathione S-transferase in a biological specimen.                                | Alpha Glutathione-S-Transferase Measurement           |
| C111126  | Alpha Hydroxybutyrate Dehydrogenase | Alpha Hydroxybutyrate Dehydrogenase           | A measurement of the alpha-hydroxybutyrate dehydrogenase in a biological specimen.                                    | Alpha Hydroxybutyrate Dehydrogenase Measurement       |
| C103349  | Alpha Tocopherol                    | Alpha Tocopherol                              | A measurement of the alpha tocopherol in a biological specimen.   | Alpha Tocopherol Measurement                          |
| C103350  | Alpha Tocopherol/Vitamin E          | Alpha Tocopherol/Vitamin E                    | A relative measurement (ratio or percentage) of alpha-tocopherol to the total vitamin E in a biological specimen.     | Alpha Tocopherol to Vitamin E Ratio Measurement       |
| C100429  | Alpha-1 Acid Glycoprotein           | Alpha-1 Acid Glycoprotein                     | A measurement of the alpha-1 acid glycoprotein in a biological specimen.  | Alpha-1 Acid Glycoprotein Measurement                 |
| C80167   | Alpha-1 Antitrypsin                 | Alpha-1 Antitrypsin;Serum Trypsin Inhibitor   | A measurement of the alpha-1 antitrypsin in a biological specimen.  | Alpha-1 Antitrypsin Measurement                       |
| C92252   | Alpha-1 Globulin                    | A1-Globulin;Alpha-1 Globulin                  | A measurement of the proteins contributing to the alpha 1 fraction in a biological specimen.                          | Alpha-1 Globulin Measurement                          |
| C92253   | Alpha-1 Globulin/Total Protein      | Alpha-1 Globulin/Total Protein                | A relative measurement (ratio or percentage) of alpha-1-fraction proteins to total proteins in a biological specimen. | Alpha-1 Globulin to Total Protein Ratio Measurement   |
| C100461  | Alpha-1 Microglobulin               | Alpha-1 Microglobulin;Protein HC              | A measurement of the alpha-1 microglobulin in a biological specimen.  | Alpha-1 Microglobulin Measurement                     |
| C100462  | Alpha-1 Microglobulin/Creatinine    | Alpha-1 Microglobulin/Creatinine              | A relative measurement (ratio or percentage) of the alpha-1 microglobulin to creatinine in a biological specimen.     | Alpha-1 Microglobulin to Creatinine Ratio Measurement |
| C103351  | Alpha-2 Antiplasmin                 | Alpha-2 Antiplasmin;Alpha-2 Plasmin Inhibitor | A measurement of the alpha-2 antiplasmin in a biological specimen.  | Alpha-2 Antiplasmin Measurement                       |
| C122094  | Alpha-2 Antiplasmin Activity        | Alpha-2 Antiplasmin Activity                  | A measurement of the alpha-2 antiplasmin activity in a biological specimen.   | Alpha-2 Antiplasmin Activity Measurement              |
| C92254   | Alpha-2 Globulin                    | A2-Globulin;Alpha-2 Globulin                  | A measurement of the proteins contributing to the alpha 2 fraction in a biological specimen.                          | Alpha-2 Globulin Measurement                          |
| C92255   | Alpha-2 Globulin/Total Protein      | Alpha-2 Globulin/Total Protein                | A relative measurement (ratio or percentage) of alpha-2-fraction proteins to total proteins in a biological specimen. | Alpha-2 Globulin to Total Protein Ratio Measurement   |
| C80168   | Alpha-2 Macroglobulin               | Alpha-2 Macroglobulin                         | A measurement of the alpha-2 macroglobulin in a biological specimen.  | Alpha-2 Macroglobulin Measurement                     |

**C67154 LBTEST**

| NCI Code | CDISC Submission Value          | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
|----------|---------------------------------|--|---|--|
| C119278  | Alpha-GST Excretion Rate        | Alpha-GST Excretion Rate   | A measurement of the amount of Alpha Glutathione-S-Transferase being excreted in urine over a defined period of time (e.g. one hour).       | Alpha-GST Excretion Rate   |
| C106498  | ALT/AST                         | ALT/AST  | A relative measurement (ratio or percentage) of the alanine aminotransferase (ALT) to aspartate aminotransferase (AST) present in a sample. | Alanine Aminotransferase to Aspartate Aminotransferase Ratio Measurement |
| C111127  | Aluminum                        | Al;Aluminum  | A measurement of aluminum in a biological specimen.   | Aluminum Measurement   |
| C74799   | Ammonia                         | Ammonia;NH3  | A measurement of the ammonia in a biological specimen.  | Ammonia Measurement  |
| C105590  | Ammonium Biurate Crystals       | Acid Ammonium Urate Crystals;Ammonium Biurate Crystals;Ammonium Urate Crystals | A measurement of the ammonium biurate crystals present in a biological specimen.  | Ammonium Biurate Crystals Measurement                                    |
| C74759   | Ammonium Oxalate Crystals       | Ammonium Oxalate Crystals  | A measurement of the ammonium oxalate crystals present in a urine specimen.   | Urine Ammonium Oxalate Crystal Measurement                               |
| C74665   | Amorphous Crystals              | Amorphous Crystals   | A measurement of the amorphous (Note: phosphate or urate, depending on pH) crystals present in a biological specimen.                       | Amorphous Crystal Measurement  |
| C92243   | Amorphous Phosphate Crystals    | Amorphous Phosphate Crystals   | A measurement of the amorphous phosphate crystals in a biological specimen.   | Amorphous Phosphate Crystals Measurement                                 |
| C74666   | Amorphous Sediment              | Amorphous Debris;Amorphous Sediment  | A measurement of the amorphous sediment present in a biological specimen.   | Amorphous Sediment Measurement   |
| C92244   | Amorphous Urate Crystals        | Amorphous Urate Crystals   | A measurement of the amorphous urate crystals in a biological specimen.   | Amorphous Urate Crystals Measurement                                     |
| C74687   | Amphetamine                     | Amphetamine  | A measurement of any amphetamine class drug present in a biological specimen.   | Amphetamine Drug Class Measurement                                       |
| C64434   | Amylase                         | Amylase  | A measurement of the total enzyme amylase in a biological specimen.   | Amylase Measurement  |
| C98767   | Amylase, Pancreatic             | Amylase, Pancreatic  | A measurement of the pancreatic enzyme amylase in a biological specimen.  | Pancreatic Amylase Measurement   |
| C98780   | Amylase, Salivary               | Amylase, Salivary  | A measurement of the salivary enzyme amylase in a biological specimen.  | Salivary Amylase Measurement   |
| C125940  | Amyloid A                       | Amyloid A;Serum Amyloid A  | A measurement of the total amyloid a (official name is Serum Amyloid A) in a biological specimen.   | Amyloid A Measurement  |
| C119268  | Amyloid Alpha Precursor Protein | Amyloid Alpha Precursor Protein  | A measurement of the amyloid alpha precursor protein present in a biological specimen.  | Amyloid Alpha Precursor Protein Measurement                              |
| C103352  | Amyloid Beta 1-38               | Amyloid Beta 1-38;Amyloid Beta 38;Amyloid Beta 38 Protein                      | A measurement of amyloid beta protein which is composed of peptides 1 to 38 in a biological specimen.                                       | Amyloid Beta 1-38 Measurement  |

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| NCI Code | CDISC Submission Value         | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                         |
|----------|--------------------------------|--|--|--|
| C103353  | Amyloid Beta 1-40              | Amyloid Beta 1-40;Amyloid Beta 40;Amyloid Beta 40 Protein  | A measurement of amyloid beta protein which is composed of peptides 1 to 40 in a biological specimen.  | Amyloid Beta 1-40 Measurement              |
| C84809   | Amyloid Beta 1-42              | Amyloid Beta 1-42;Amyloid Beta 42;Amyloid Beta 42 Protein  | A measurement of amyloid beta protein which is composed of peptides 1 to 42 in a biological specimen.  | Beta Amyloid 42 Measurement                |
| C105438  | Amyloid Beta Precursor Protein | Amyloid Beta Precursor;Amyloid Beta Precursor Protein;Amyloid Precursor Beta;Amyloid Precursor Protein | A measurement of the amyloid beta precursor protein present in a biological specimen.  | Amyloid Beta Precursor Protein Measurement |
| C81998   | Amyloid P                      | Amyloid P  | A measurement of the total amyloid P in a biological specimen.   | Amyloid P Measurement                      |
| C81999   | Amyloid, Beta                  | Amyloid, Beta;Beta Amyloid   | A measurement of the total amyloid beta in a biological specimen.  | Beta Amyloid Measurement                   |
| C74842   | Androstenediol                 | Androstenediol   | A measurement of the androstenediol metabolite in a biological specimen.   | Androstenediol Metabolite Measurement      |
| C74843   | Androstenedione                | 4-Androstenedione;Androstenedione  | A measurement of the androstenedione hormone in a biological specimen.   | Androstenedione Measurement                |
| C111128  | Angiopoietin 1                 | Angiopoietin 1   | A measurement of angiopoietin 1 in a biological specimen.  | Angiopoietin 1 Measurement                 |
| C80169   | Angiotensin Converting Enzyme  | Angiotensin Converting Enzyme  | A measurement of the angiotensin converting enzyme in a biological specimen.   | Angiotensin Converting Enzyme Measurement  |
| C74844   | Angiotensin I                  | Angiotensin I  | A measurement of the angiotensin I hormone in a biological specimen.   | Angiotensin I Measurement                  |
| C74845   | Angiotensin II                 | Angiotensin II   | A measurement of the angiotensin II hormone in a biological specimen.  | Angiotensin II Measurement                 |
| C74846   | Angiotensinogen                | Angiotensin Precursor;Angiotensinogen  | A measurement of the angiotensinogen hormone in a biological specimen.   | Angiotensinogen Measurement                |
| C74685   | Anion Gap                      | Anion Gap  | A computed estimate of the unmeasured anions (those other than the chloride and bicarbonate anions) in a biological specimen.  | Anion Gap Measurement                      |
| C74797   | Anisocytes                     | Anisocytes;Anisocytosis  | A measurement of the variability in the size of the red blood cells in a whole blood specimen.   | Anisocyte Measurement                      |
| C81973   | Anti-DNA Antibodies            | Anti-DNA Antibodies;Anti-ds-DNA Antibodies   | A measurement of the anti-DNA antibodies in a biological specimen.   | Anti-DNA Antibody Measurement              |
| C74913   | Anti-Double Stranded DNA       | Anti-Double Stranded DNA   | A measurement of the anti-double stranded DNA antibody in a biological specimen.   | Anti-Double Stranded DNA Measurement       |
| C98706   | Anti-Factor Xa Activity        | Anti-Factor Xa Activity  | A measurement of the ability of antithrombin to inactivate activated Factor X in a biological specimen. This test is used to monitor low molecular weight or unfractionated heparin levels in a biological specimen. | Anti-Factor Xa Activity Measurement        |
| C120625  | Anti-Mullerian Hormone         | Anti-Mullerian Hormone   | A measurement of the anti-Mullerian hormone in a biological specimen.  | Anti-Mullerian Hormone Measurement         |



**C67154 LBTEST**

| NCI Code | CDISC Submission Value                 | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                 |
|----------|--|--|--|--|
| C12062 6 | Anti-Neutrophil Cytoplasmic Antibody   | Anti-Neutrophil Cytoplasmic Antibody   | A measurement of the anti-neutrophil cytoplasmic antibody in a biological specimen.  | Anti-Neutrophil Cytoplasmic Antibody Measurement   |
| C12062 7 | Anti-Nucleosome Antibody               | Anti-Nucleosome Antibody   | A measurement of the anti-nucleosome antibody in a biological specimen.  | Anti-Nucleosome Antibody Measurement               |
| C12433 5 | Anti-Phospholipid IgG Antibody         | Anti-Phospholipid IgG Antibody   | A measurement of the antiphospholipid IgG antibody in a biological specimen.   | Anti-Phospholipid IgG Antibody Measurement         |
| C12433 6 | Anti-Phospholipid IgM Antibody         | Anti-Phospholipid IgM Antibody   | A measurement of the antiphospholipid IgM antibody in a biological specimen.   | Anti-Phospholipid IgM Antibody Measurement         |
| C81976   | Anti-Saccharomyces cerevisiae Antibody | Anti-Saccharomyces cerevisiae Antibody   | A measurement of the anti-Saccharomyces cerevisiae antibody in a biological specimen.                                      | Anti-Saccharomyces cerevisiae Antibody Measurement |
| C92269   | Anti-Single Stranded DNA IgG           | Anti-Single Stranded DNA IgG   | A measurement of the anti-single stranded DNA IgG antibody in a biological specimen.                                       | Anti-Single Stranded DNA IgG Measurement           |
| C74691   | Antidepressants                        | Antidepressants  | A measurement of any antidepressant class drug present in a biological specimen.   | Antidepressant Measurement                         |
| C74847   | Antidiuretic Hormone                   | Antidiuretic Hormone; Vasopressin  | A measurement of the antidiuretic hormone in a biological specimen.  | Antidiuretic Hormone Measurement                   |
| C81974   | Antiglobulin Test, Direct              | Antiglobulin Test, Direct; Direct Coombs Test                                    | A measurement of the antibody or complement-coated erythrocytes in a biological specimen in vivo.                          | Direct Antiglobulin Test                           |
| C91372   | Antiglobulin Test, Indirect            | Antiglobulin Test, Indirect; Indirect Coombs Test                                | A test that uses Coombs' reagent to detect the presence of anti-erythrocyte antibodies in a biological specimen.           | Indirect Antiglobulin Test                         |
| C81975   | Antimitochondrial Antibodies           | Antimitochondrial Antibodies; Mitochondrial Antibody                             | A measurement of the antimitochondrial antibodies in a biological specimen.  | Antimitochondrial Antibody Measurement             |
| C74916   | Antinuclear Antibodies                 | Antinuclear Antibodies   | A measurement of the total antinuclear antibodies (antibodies that attack the body's own tissue) in a biological specimen. | Antinuclear Antibody Measurement                   |
| C12209 3 | Antinuclear IgG Antibody               | Antinuclear IgG Antibody   | A measurement of the antinuclear IgG antibody in a biological specimen.  | Antinuclear IgG Antibody Measurement               |
| C10225 8 | Antiphospholipid Antibodies            | Antiphospholipid Antibodies  | A measurement of the total antiphospholipid antibodies in a biological specimen.   | Antiphospholipid Antibody Measurement              |
| C81958   | Antithrombin                           | Antithrombin; Antithrombin Activity; Antithrombin III; Antithrombin III Activity | A measurement of the antithrombin activity in a biological specimen.   | Antithrombin Activity Measurement                  |
| C81977   | Antithrombin Antigen                   | Antithrombin Antigen; Antithrombin III Antigen                                   | A measurement of the antithrombin antigen in a biological specimen.  | Antithrombin Antigen Measurement                   |
| C12433 7 | Apolipoprotein A                       | Apolipoprotein A   | A measurement of the total apolipoprotein A in a biological specimen.  | Apolipoprotein A Measurement                       |
| C74733   | Apolipoprotein A1                      | Apolipoprotein A1  | A measurement of the apolipoprotein A1 in a biological specimen.   | Apolipoprotein A1 Measurement                      |

**C67154 LBTEST**

| <b>NCI Code</b> | <b>CDISC Submission Value</b>      | <b>CDISC Synonym</b>                             | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                               |
|-----------------|------------------------------------|--|---|---|
| C103354         | Apolipoprotein A4                  | Apolipoprotein A4                                | A measurement of the apolipoprotein A4 in a biological specimen.  | Apolipoprotein A4 Measurement                           |
| C103355         | Apolipoprotein A5                  | Apolipoprotein A5                                | A measurement of the apolipoprotein A5 in a biological specimen.  | Apolipoprotein A5 Measurement                           |
| C82000          | Apolipoprotein AII                 | Apolipoprotein AII                               | A measurement of the apolipoprotein AII in a biological specimen.   | Apolipoprotein AII Measurement                          |
| C74734          | Apolipoprotein B                   | Apolipoprotein B                                 | A measurement of the total apolipoprotein B in a biological specimen.   | Apolipoprotein B Measurement                            |
| C103356         | Apolipoprotein B/Apolipoprotein A1 | Apolipoprotein B/Apolipoprotein A1               | A relative measurement (ratio or percentage) of the Apolipoprotein B to Apolipoprotein A1 in a biological specimen. | Apolipoprotein B to Apolipoprotein A1 Ratio Measurement |
| C120628         | Apolipoprotein B100                | Apolipoprotein B100                              | A measurement of the apolipoprotein B100 in a biological specimen.  | Apolipoprotein B100 Measurement                         |
| C120629         | Apolipoprotein B48                 | Apolipoprotein B48                               | A measurement of the apolipoprotein B48 in a biological specimen.   | Apolipoprotein B48 Measurement                          |
| C100427         | Apolipoprotein C2                  | Apolipoprotein C2;Apolipoprotein CII             | A measurement of the apolipoprotein C2 in a biological specimen.  | Apolipoprotein C2 Measurement                           |
| C120630         | Apolipoprotein CI                  | Apolipoprotein CI                                | A measurement of the apolipoprotein CI in a biological specimen.  | Apolipoprotein CI Measurement                           |
| C82001          | Apolipoprotein CIII                | Apolipoprotein CIII                              | A measurement of the apolipoprotein CIII in a biological specimen.  | Apolipoprotein CIII Measurement                         |
| C82002          | Apolipoprotein E                   | Apolipoprotein E                                 | A measurement of the apolipoprotein E in a biological specimen.   | Apolipoprotein E Measurement                            |
| C92293          | Apolipoprotein E4                  | Apolipoprotein E4                                | A measurement of the apolipoprotein E4 in a biological specimen.  | Apolipoprotein E4 Measurement                           |
| C82003          | Apolipoprotein H                   | Apolipoprotein H                                 | A measurement of the apolipoprotein H in a biological specimen.   | Apolipoprotein H Measurement                            |
| C100428         | Apolipoprotein J                   | Apolipoprotein J;Clusterin                       | A measurement of the apolipoprotein J in a biological specimen.   | Apolipoprotein J Measurement                            |
| C111130         | Apolipoprotein J/Creatinine        | Apolipoprotein J/Creatinine;Clusterin/Creatinine | A relative measurement (ratio or percentage) of the apolipoprotein J to Creatinine in a biological specimen.        | Apolipoprotein J to Creatinine Ratio Measurement        |
| C102259         | Arachidonic Acid                   | Arachidonic Acid                                 | A measurement of the arachidonic acid present in a biological specimen.   | Arachidonic Acid Measurement                            |
| C122095         | Arginine                           | Arginine   | A measurement of the arginine in a biological specimen.   | Arginine Measurement                                    |
| C122096         | Asparagine                         | Asparagine                                       | A measurement of the asparagine in a biological specimen.   | Asparagine Measurement                                  |
| C64467          | Aspartate Aminotransferase         | Aspartate Aminotransferase;SGOT                  | A measurement of the aspartate aminotransferase in a biological specimen.   | Aspartate Aminotransferase Measurement                  |
| C81978          | Aspartate Aminotransferase Antigen | Aspartate Aminotransferase Antigen;SGOT Antigen  | A measurement of the aspartate aminotransferase antigen in a biological specimen.                                   | Aspartate Aminotransferase Antigen Measurement          |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
|----------|--|--|---|---|
| C117830  | Aspartate Aminotransferase/Creatinine    | Aspartate Aminotransferase/Creatinine                      | A relative measurement (ratio or percentage) of the aspartate aminotransferase to creatinine in a biological specimen.  | Aspartate Aminotransferase to Creatinine Ratio Measurement        |
| C122097  | Aspartic Acid                            | Aspartate;Aspartic Acid                                    | A measurement of the aspartic acid in a biological specimen.  | Aspartic Acid Measurement   |
| C74886   | Atrial Natriuretic Peptide               | Atrial Natriuretic Peptide;Atriopeptin                     | A measurement of the atrial natriuretic peptide in a biological specimen.   | Atrial Natriuretic Peptide Measurement                            |
| C74657   | Auer Rods                                | Auer Rods  | A measurement of the Auer rods (elongated needle structures that are found in the cytoplasm of leukemic blasts and are formed by clumps of azurophilic granular material) in a biological specimen. | Auer Rod Measurement  |
| C116185  | Azurophilic Granules                     | Azurophilic Granulation;Azurophilic Granules               | An observation of azurophilic granules in a biological specimen.  | Azurophilic Granule Measurement                                   |
| C111135  | B-Cell Activating Factor                 | B-Cell Activating Factor                                   | A measurement of the B-cell activating factor in a biological specimen.   | B-Cell Activating Factor Measurement                              |
| C64469   | Bacteria                                 | Bacteria   | A measurement of the bacteria in a biological specimen.   | Bacterial Count   |
| C74762   | Bacterial Casts                          | Bacterial Casts  | A measurement of the bacterial casts present in a biological specimen.  | Bacterial Cast Measurement  |
| C120631  | Bactericidal/Permeability-Inc Protein Ab | BPI Auto-antibody;Bactericidal/Permeability-Inc Protein Ab | A measurement of the bactericidal/permeability-increasing protein antibody in a biological specimen.  | Bactericidal/Permeability-Increasing Protein Antibody Measurement |
| C74688   | Barbiturates                             | Barbiturates   | A measurement of any barbiturate class drug present in a biological specimen.   | Barbiturate Drug Class Measurement                                |
| C119270  | Base Excess                              | Base Excess  | A measurement of the amount of acid or alkali required to return a biological specimen to a normal pH under standard conditions.  | Base Excess Measurement   |
| C96567   | Basophilic Stippling                     | Basophilic Stippling                                       | A measurement of the basophilic stippling in a biological specimen.   | Basophilic Stippling Measurement                                  |
| C64470   | Basophils                                | Basophils  | A measurement of the basophils in a biological specimen.  | Total Basophil Count  |
| C64471   | Basophils/Leukocytes                     | Basophils/Leukocytes                                       | A relative measurement (ratio or percentage) of the basophils to leukocytes in a biological specimen.   | Basophil to Leukocyte Ratio                                       |
| C98865   | Basophils/Total Cells                    | Basophils/Total Cells                                      | A relative measurement (ratio or percentage) of the basophils to total cells in a biological specimen (for example a bone marrow specimen).   | Basophil to Total Cell Ratio Measurement                          |
| C111136  | Bence-Jones Protein                      | Bence-Jones Protein;Immunoglobulin Light Chains            | A measurement of the total Bence-Jones protein in a biological specimen.  | Bence-Jones Protein Measurement                                   |
| C74692   | Benzodiazepine                           | Benzodiazepine   | A measurement of any benzodiazepine class drug present in a biological specimen.  | Benzodiazepine Measurement  |

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| NCI Code | CDISC Submission Value             | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                   |
|----------|------------------------------------|--|--|--|
| C75350   | Benzoylecgonine                    | Benzoylecgonine;Cocaine Metabolite                       | A measurement of the benzoylecgonine in a biological specimen.   | Benzoylecgonine Measurement                          |
| C100472  | Beta Carotene                      | Beta Carotene;Beta Carotin;b-Carotene                    | A measurement of the beta carotene in a biological specimen.   | Beta Carotene Measurement                            |
| C103357  | Beta Catenin                       | Beta Catenin   | A measurement of the beta catenin in a biological specimen.  | Beta Catenin Measurement                             |
| C92256   | Beta Globulin                      | Beta Globulin  | A measurement of the proteins contributing to the beta fraction in a biological specimen.                            | Beta Globulin Measurement                            |
| C92294   | Beta Globulin/Total Protein        | Beta Globulin/Total Protein                              | A relative measurement (ratio or percentage) of beta fraction proteins to total proteins in a biological specimen.   | Beta Globulin to Total Protein Ratio Measurement     |
| C119274  | Beta-1 Globulin                    | Beta-1 Globulin  | A measurement of the beta-1 globulin in a biological specimen.   | Beta-1 Globulin Measurement                          |
| C119275  | Beta-1 Globulin/Total Protein      | Beta-1 Globulin/Total Protein                            | A relative measurement (ratio or percentage) of beta-1-fraction proteins to total proteins in a biological specimen. | Beta-1 Globulin to Total Protein Ratio Measurement   |
| C127607  | Beta-1B Glycoprotein               | Beta-1B Glycoprotein;HPX;Hemopexin                       | A measurement of the beta-1B glycoprotein in a biological specimen.  | Beta-1B Glycoprotein Measurement                     |
| C119276  | Beta-2 Globulin                    | Beta-2 Globulin  | A measurement of the beta-2 globulin in a biological specimen.   | Beta-2 Globulin Measurement                          |
| C119277  | Beta-2 Globulin/Total Protein      | Beta-2 Globulin/Total Protein                            | A relative measurement (ratio or percentage) of beta-2-fraction proteins to total proteins in a biological specimen. | Beta-2 Globulin to Total Protein Ratio Measurement   |
| C103358  | Beta-2 Glycoprotein 1 IgG Antibody | Beta-2 Glycoprotein 1 IgG Antibody                       | A measurement of the Beta-2 glycoprotein 1 IgG antibodies in a biological specimen.                                  | Beta-2 Glycoprotein 1 IgG Antibody Measurement       |
| C103359  | Beta-2 Glycoprotein 1 IgM Antibody | Beta-2 Glycoprotein 1 IgM Antibody                       | A measurement of the Beta-2 glycoprotein 1 IgM antibodies in a biological specimen.                                  | Beta-2 Glycoprotein 1 IgM Antibody Measurement       |
| C81979   | Beta-2 Glycoprotein Antibody       | Beta-2 Glycoprotein Antibody                             | A measurement of the beta-2 glycoprotein antibody in a biological specimen.  | Beta-2 Glycoprotein Antibody Measurement             |
| C81980   | Beta-2 Microglobulin               | Beta-2 Microglobulin                                     | A measurement of the beta-2 microglobulin in a biological specimen.  | Beta-2 Microglobulin Measurement                     |
| C127608  | Beta-2 Microglobulin/Creatinine    | Beta-2 Microglobulin/Creatinine                          | A relative measurement (ratio) of the beta-2 microglobulin to creatinine in a biological specimen.                   | Beta-2 Microglobulin to Creatinine Ratio Measurement |
| C123455  | Beta-cell Function                 | Beta-cell Function                                       | A measurement of the beta cell function (insulin production and secretion) in a biological specimen.                 | Beta-cell Function Measurement                       |
| C122102  | Beta-defensin 2                    | Beta-defensin 2  | A measurement of the beta-defensin 2 in a biological specimen.   | Beta-defensin 2 Measurement                          |
| C96568   | Beta-Hydroxybutyrate               | 3-Hydroxybutyrate;B-Hydroxybutyrate;Beta-Hydroxybutyrate | A measurement of the total Beta-hydroxybutyrate in a biological specimen.  | Beta-Hydroxybutyrate Measurement                     |

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| NCI Code | CDISC Submission Value             | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term                             |
|----------|------------------------------------|---|---|--|
| C100426  | Beta-Trace Protein                 | Beta-Trace Protein                                  | A measurement of the beta-trace protein in a biological specimen.   | Beta-Trace Protein Measurement                 |
| C74667   | Bicarbonate                        | Bicarbonate;HCO3                                    | A measurement of the bicarbonate in a biological specimen.  | Bicarbonate Measurement                        |
| C74800   | Bile Acid                          | Bile Acid;Bile Acids;Bile Salt;Bile Salts           | A measurement of the total bile acids in a biological specimen.   | Bile Acid Measurement                          |
| C38037   | Bilirubin                          | Bilirubin;Total Bilirubin                           | A measurement of the total bilirubin in a biological specimen.  | Total Bilirubin Measurement                    |
| C74668   | Bilirubin Crystals                 | Bilirubin Crystals                                  | A measurement of the bilirubin crystals present in a biological specimen.   | Bilirubin Crystal Measurement                  |
| C117860  | Bioavailable Testosterone          | Bioavailable Testosterone                           | A measurement of bioavailable testosterone in a biological specimen.  | Bioavailable Testosterone Measurement          |
| C74700   | Bite Cells                         | Bite Cells  | A measurement of the bite cells (erythrocytes with the appearance of a bite having been removed, due to oxidative hemolysis) in a biological specimen.  | Bite Cell Count                                |
| C74634   | Bite Cells/Erythrocytes            | Bite Cells/Erythrocytes                             | A relative measurement (ratio or percentage) of bite cells (erythrocytes with the appearance of a bite having been removed, due to oxidative hemolysis) to all erythrocytes in a biological specimen. | Bite Cell to Erythrocyte Ratio Measurement     |
| C98710   | BKV Viral Load                     | BKV Viral Load                                      | A measurement of the BK virus viral load in a biological specimen.  | BK Virus Viral Load Measurement                |
| C74605   | Blasts                             | Blasts  | A measurement of the blast cells in a biological specimen.  | Blast Count                                    |
| C64487   | Blasts/Leukocytes                  | Blasts/Leukocytes                                   | A relative measurement (ratio or percentage) of the blasts to leukocytes in a biological specimen.  | Blast to Leukocyte Ratio                       |
| C89775   | Bleeding Time                      | Bleeding Time;Clotting Time Homeostasis             | A measurement of the time from the start to cessation of an induced bleed.  | Bleeding Time                                  |
| C127609  | Blister Cell                       | Blister Cell  | A measurement of the blister cells in a biological specimen.  | Blister Cell Count                             |
| C92287   | Bone Specific Alkaline Phosphatase | Bone Specific Alkaline Phosphatase                  | A measurement of the bone specific alkaline phosphatase isoform in a biological specimen.   | Bone Specific Alkaline Phosphatase Measurement |
| C122098  | Borrelia burgdorferi Antibody      | Borrelia burgdorferi Antibody;Lyme Antibody         | A measurement of the total Borrelia burgdorferi antibody in a biological specimen.  | Borrelia burgdorferi Antibody Measurement      |
| C122099  | Borrelia burgdorferi IgA Antibody  | Borrelia burgdorferi IgA Antibody;Lyme IgA Antibody | A measurement of the Borrelia burgdorferi IgA antibody in a biological specimen.  | Borrelia burgdorferi IgA Antibody Measurement  |
| C122100  | Borrelia burgdorferi IgG Antibody  | Borrelia burgdorferi IgG Antibody;Lyme IgG Antibody | A measurement of the Borrelia burgdorferi IgG antibody in a biological specimen.  | Borrelia burgdorferi IgG Antibody Measurement  |
| C122101  | Borrelia burgdorferi IgM Antibody  | Borrelia burgdorferi IgM Antibody;Lyme IgM Antibody | A measurement of the Borrelia burgdorferi IgM antibody in a biological specimen.  | Borrelia burgdorferi IgM Antibody Measurement  |

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| NCI Code    | CDISC Submission Value            | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                            |
|-------------|-----------------------------------|--|---|---|
| C74735      | Brain Natriuretic Peptide         | B-Type Natriuretic Peptide;Brain Natriuretic Peptide   | A measurement of the brain (B-type) natriuretic peptide in a biological specimen.   | Brain Natriuretic Peptide Measurement         |
| C82004      | Brain-Derived Neurotrophic Factor | Brain-Derived Neurotrophic Factor  | A measurement of the brain-derived neurotrophic factor in a biological specimen.  | Brain-Derived Neurotrophic Factor Measurement |
| C96588      | Broad Casts                       | Broad Casts  | A measurement of the broad casts in a biological specimen.  | Broad Casts Measurement                       |
| C75352      | Buprenorphine                     | Buprenorphine  | A measurement of the buprenorphine drug present in a biological specimen.   | Buprenorphine Measurement                     |
| C74701      | Burr Cells                        | Burr Cells;Keratocytes   | A measurement of the Burr cells (erythrocytes characterized by the presence of small, blunt projections evenly distributed across the cell surface) in a biological specimen. | Burr Cell Count                               |
| C11114<br>2 | Butyrylcholinesterase             | Acylcholine Acylhydrolase;Butyrylcholinesterase;Non-neuronal Cholinesterase;Plasma Cholinesterase;Pseudocholinesterase | A measurement of the total butyrylcholinesterase in a biological specimen.  | Butyrylcholinesterase Measurement             |
| C64548      | C Reactive Protein                | C Reactive Protein   | A measurement of the C reactive protein in a biological specimen.   | C-Reactive Protein Measurement                |
| C12210<br>3 | C-C Chemokine Receptor Type 5     | C-C Chemokine Receptor Type 5;CD195  | A measurement of the CCR5, chemokine (C-C motif) receptor type 5, in a biological specimen.   | C-C Chemokine Receptor Type 5 Measurement     |
| C74736      | C-peptide                         | C-peptide  | A measurement of the C (connecting) peptide of insulin in a biological specimen.  | C-peptide Measurement                         |
| C74702      | Cabot Rings                       | Cabot Rings  | A measurement of the Cabot rings (red-purple staining, threadlike, ring or figure 8 shaped filaments in an erythrocyte) in a biological specimen.                             | Cabot Ring Count                              |
| C75346      | Caffeine                          | Caffeine   | A measurement of the caffeine in a biological specimen.   | Caffeine Measurement                          |
| C12594<br>2 | Calbindin                         | Calbindin  | A measurement of the total calbindin in a biological specimen.  | Calbindin Measurement                         |
| C74848      | Calcitonin                        | Calcitonin   | A measurement of the calcitonin hormone in a biological specimen.   | Calcitonin Measurement                        |
| C74849      | Calcitriol                        | Calcitriol   | A measurement of the calcitriol hormone in a biological specimen.   | Calcitriol Measurement                        |
| C64488      | Calcium                           | Calcium  | A measurement of the calcium in a biological specimen.  | Calcium Measurement                           |
| C10336<br>0 | Calcium - Phosphorus Product      | Calcium - Phosphorus Product   | A measurement of the product of the calcium and phosphate measurements in a biological specimen.  | Calcium and Phosphorus Product Measurement    |
| C74669      | Calcium Carbonate Crystals        | Calcium Carbonate Crystals   | A measurement of the calcium carbonate crystals present in a biological specimen.   | Calcium Carbonate Crystal Measurement         |

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|-----------------|-------------------------------|---|---|---|
| C96589          | Calcium Clearance             | Calcium Clearance                                     | A measurement of the volume of serum or plasma that would be cleared of calcium by excretion of urine for a specified unit of time (e.g. one minute). | Calcium Clearance Measurement           |
| C11927<br>2     | Calcium Corrected             | Calcium Corrected                                     | A measurement of calcium, which has been corrected for albumin, in a biological specimen.   | Calcium Corrected Measurement           |
| C11783<br>1     | Calcium Excretion Rate        | Calcium Excretion Rate                                | A measurement of the amount of calcium being excreted in urine over a defined period of time (e.g. one hour).   | Calcium Urine Excretion Rate            |
| C74670          | Calcium Oxalate Crystals      | Calcium Oxalate Crystals                              | A measurement of the calcium oxalate crystals present in a biological specimen.   | Calcium Oxalate Crystal Measurement     |
| C74671          | Calcium Phosphate Crystals    | Calcium Phosphate Crystals                            | A measurement of the calcium phosphate crystals present in a biological specimen.   | Calcium Phosphate Crystal Measurement   |
| C12434<br>0     | Calcium Sulfate Crystals      | Calcium Sulfate Crystals                              | A measurement of the calcium sulfate crystals present in a biological specimen.   | Calcium Sulfate Crystals Measurement    |
| C96590          | Calcium Sulphate              | Calcium Sulphate                                      | A measurement of the calcium sulphate in a biological specimen.   | Calcium Sulphate Measurement            |
| C81948          | Calcium, Ionized              | Calcium, Ionized                                      | A measurement of the ionized calcium in a biological specimen.  | Ionized Calcium Measurement             |
| C12594<br>1     | Calcium, Ionized pH Adjusted  | Calcium, Ionized pH Adjusted                          | A measurement of the pH adjusted ionized calcium in a biological specimen.  | Ionized pH Adjusted Calcium Measurement |
| C79439          | Calcium/Creatinine            | Calcium/Creatinine                                    | A relative measurement (ratio or percentage) of the calcium to creatinine in a biological specimen.   | Calcium to Creatinine Ratio Measurement |
| C82005          | Calprotectin                  | Calprotectin  | A measurement of the calprotectin in a biological specimen.   | Calprotectin Measurement                |
| C10336<br>1     | Cancer Antigen 1              | Cancer Antigen 1                                      | A measurement of the cancer antigen 1 in a biological specimen.   | Cancer Antigen 1 Measurement            |
| C79089          | Cancer Antigen 125            | Cancer Antigen 125                                    | A measurement of the cancer antigen 125 in a biological specimen.   | CA-125 Measurement                      |
| C10336<br>2     | Cancer Antigen 15-3           | Cancer Antigen 15-3                                   | A measurement of the cancer antigen 15-3 in a biological specimen.  | Cancer Antigen 15-3 Measurement         |
| C81982          | Cancer Antigen 19-9           | Cancer Antigen 19-9                                   | A measurement of the cancer antigen 19-9 in a biological specimen.  | Cancer Antigen 19-9 Measurement         |
| C11114<br>3     | Cancer Antigen 27-29          | Cancer Antigen 27-29                                  | A measurement of the cancer antigen 27-29 in a biological specimen.   | Cancer Antigen 27-29 Measurement        |
| C10650<br>5     | Cancer Antigen 72-4           | CA 72-4;Cancer Antigen 72-4;Carbohydrate Antigen 72-4 | A measurement of the cancer antigen 72-4 in a biological specimen.  | Cancer Antigen 72-4 Measurement         |
| C74689          | Cannabinoids                  | Cannabinoids  | A measurement of any cannabinoid class drug present in a biological specimen.   | Cannabinoid Drug Class Measurement      |

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|-----------------|--|---|---|---|
| C12594<br>3     | Carb-Deficient Transferrin/Transferrin | Carb-Deficient Transferrin/Transferrin  | A relative measurement (ratio or percentage) of the carbohydrate-deficient transferrin to total transferrin in a biological specimen. | Carbohydrate-Deficient Transferrin to Transferrin Ratio Measurement |
| C10101<br>6     | Carbohydrate-Deficient Transferrin     | Carbohydrate-Deficient Transferrin  | A measurement of transferrin with a reduced number of carbohydrate moieties in a biological specimen.                                 | Carbohydrate-Deficient Transferrin Measurement                      |
| C64545          | Carbon Dioxide                         | Carbon Dioxide  | A measurement of the carbon dioxide gas in a biological specimen.   | Carbon Dioxide Measurement  |
| C96591          | Carboxyhemoglobin                      | Carboxyhemoglobin   | A measurement of the carboxyhemoglobin, carbon monoxide-bound hemoglobin, in a biological specimen.                                   | Carboxyhemoglobin Measurement                                       |
| C81983          | Carcinoembryonic Antigen               | Carcinoembryonic Antigen  | A measurement of the carcinoembryonic antigen in a biological specimen.   | Carcinoembryonic Antigen Measurement                                |
| C12211<br>2     | Cardiolipin IgA Antibody               | Cardiolipin IgA Antibody  | A measurement of the cardiolipin IgA antibody in a biological specimen.   | Cardiolipin IgA Antibody Measurement                                |
| C11114<br>4     | Cardiolipin IgG Antibody               | Anti-Cardiolipin IgG Antibody;Cardiolipin IgG Antibody  | A measurement of the cardiolipin IgG antibody in a biological specimen.   | Cardiolipin IgG Antibody Measurement                                |
| C10336<br>3     | Cardiolipin IgM Antibody               | Cardiolipin IgM Antibody  | A measurement of the cardiolipin IgM antibodies in a biological specimen.   | Cardiolipin IgM Antibody Measurement                                |
| C74682          | Carnitine                              | Carnitine   | A measurement of the total carnitine in a biological specimen.  | Total Carnitine Measurement   |
| C92288          | Carnitine Acetyl Transferase           | Carnitine Acetyl Transferase  | A measurement of the carnitine acetyl transferase in a biological specimen.   | Carnitine Acetyl Transferase Measurement                            |
| C74677          | Carnitine, Free                        | Carnitine, Free   | A measurement of the free carnitine in a biological specimen.   | Free Carnitine Measurement  |
| C11114<br>5     | Cartilage Oligomeric Matrix Protein    | Cartilage Oligomeric Matrix Protein   | A measurement of the cartilage oligomeric matrix protein in a biological specimen.  | Cartilage Oligomeric Matrix Protein Measurement                     |
| C74763          | Casts                                  | Casts   | A statement that indicates casts were looked for in a biological specimen.  | Cast Present Or Absent  |
| C12063<br>4     | Cathepsin Antibody                     | Cathepsin Antibody  | A measurement of the total cathepsin antibody in a biological specimen.   | Cathepsin Antibody Measurement                                      |
| C10336<br>4     | CD1                                    | CD1   | A count of the CD1 expressing cells per unit of a biological specimen.  | CD1 Expressing Cell Measurement                                     |
| C11114<br>6     | CD10                                   | CD10  | A measurement of the CD10 expressing cells per unit in a biological specimen.   | CD10 Expressing Cell Count  |
| C10543<br>9     | CD11A                                  | CD11A;CD11a   | A count of the CD11a expressing cells per unit of a biological specimen.  | CD11A Expressing Cell Count   |
| C10544<br>0     | CD11B                                  | CD11B;CD11b;Complement Component 3 Receptor 3 Subunit;Complement Receptor Type 3 Alpha Subunit;ITGAM Protein;Integrin Alpha-M | A count of the CD11b expressing cells per unit of a biological specimen.  | CD11B Expressing Cell Count   |
| C11114<br>7     | CD13                                   | CD13  | A measurement of the CD13 expressing cells per unit in a biological specimen.   | CD13 Expressing Cell Count  |



**C67154 LBTEST**

| <b>NCI Code</b> | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b> | <b>CDISC Definition</b>  | <b>NCI Preferred Term</b>                           |
|-----------------|-------------------------------|----------------------|--|---|
| C10336<br>5     | CD14                          | CD14                 | A count of the CD14 expressing cells per unit of a biological specimen.  | CD14 Expressing Cell Measurement                    |
| C12210<br>5     | CD161/Lymphocytes             | CD161/Lymphocytes    | A relative measurement (ratio or percentage) of CD161 expressing cells to all lymphocytes in a biological specimen.        | CD161 to Lymphocyte Ratio Measurement               |
| C12210<br>4     | CD161a/Lymphocytes            | CD161a/Lymphocytes   | A relative measurement (ratio or percentage) of CD161a expressing cells to all lymphocytes in a biological specimen.       | CD161a to Lymphocyte Ratio Measurement              |
| C10380<br>8     | CD19                          | CD19                 | A count of the CD19 expressing cells per unit in a biological specimen.  | CD19 Expressing Cell Count                          |
| C10381<br>2     | CD19/Lymphocytes              | CD19/Lymphocytes     | A relative measurement (ratio or percentage) of CD19 expressing cells to all lymphocytes in a biological specimen.         | CD19 Cell to Lymphocyte Ratio Measurement           |
| C10336<br>6     | CD2                           | CD2                  | A count of the CD2 expressing cells per unit of a biological specimen.   | CD2 Expressing Cell Measurement                     |
| C10336<br>7     | CD2/Lymphocytes               | CD2/Lymphocytes      | A relative measurement (ratio or percentage) of CD2 expressing cells to all lymphocytes in a biological specimen.          | CD2 Expressing Cell to Lymphocyte Ratio Measurement |
| C10336<br>8     | CD20                          | CD20                 | A count of the CD20 expressing cells per unit of a biological specimen.  | CD20 Expressing Cell Measurement                    |
| C11114<br>8     | CD22                          | CD22                 | A measurement of the CD22 expressing cells per unit in a biological specimen.  | CD22 Expressing Cell Count                          |
| C11114<br>9     | CD23                          | CD23                 | A measurement of the CD23 expressing cells per unit in a biological specimen.  | CD23 Expressing Cell Count                          |
| C10380<br>9     | CD3                           | CD3                  | A count of the CD3 expressing cells per unit in a biological specimen.   | CD3 Expressing Cell Count                           |
| C10381<br>3     | CD3/Lymphocytes               | CD3/Lymphocytes      | A relative measurement (ratio or percentage) of CD3 expressing cells to all lymphocytes in a biological specimen.          | CD3 Cell to Lymphocyte Ratio Measurement            |
| C11115<br>0     | CD33                          | CD33                 | A measurement of the CD33 expressing cells per unit in a biological specimen.  | CD33 Expressing Cell Count                          |
| C10226<br>0     | CD34                          | CD34                 | A measurement of the CD34 expressing cells per unit in a biological specimen.  | CD34 Measurement                                    |
| C11115<br>1     | CD38                          | CD38                 | A measurement of the CD38 expressing cells per unit in a biological specimen.  | CD38 Expressing Cell Count                          |
| C10381<br>0     | CD4                           | CD4                  | A count of the CD4 expressing cells per unit in a biological specimen.   | CD4 Expressing Cell Count                           |
| C10381<br>4     | CD4/CD8                       | CD4/CD8              | A relative measurement (ratio or percentage) of CD4 expressing cells to the CD8 expressing cells in a biological specimen. | CD4 Cell to CD8 Cell Ratio Measurement              |

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|----------|---------------------------------|---|--|---|
| C103815  | CD4/Lymphocytes                 | CD4/Lymphocytes   | A relative measurement (ratio or percentage) of CD4 expressing cells to all lymphocytes in a biological specimen.                  | CD4 Cell to Lymphocyte Ratio Measurement    |
| C82006   | CD40                            | CD40  | A count of the CD40 cells per unit in a biological specimen.   | CD40 Measurement                            |
| C82007   | CD40 Ligand                     | CD40 Ligand   | A count of the CD40 ligand cells per unit in a biological specimen.  | CD40 Ligand Measurement                     |
| C122106  | CD45/Lymphocytes                | CD45/Lymphocytes  | A relative measurement (ratio or percentage) of CD45 expressing cells to all lymphocytes in a biological specimen.                 | CD45 to Lymphocyte Ratio Measurement        |
| C122107  | CD45RA/Lymphocytes              | CD45RA/Lymphocytes  | A relative measurement (ratio or percentage) of CD45RA expressing cells to all lymphocytes in a biological specimen.               | CD45RA to Lymphocyte Ratio Measurement      |
| C103369  | CD5                             | CD5   | A count of the CD5 expressing cells per unit of a biological specimen.   | CD5 Expressing Cell Measurement             |
| C103370  | CD56                            | CD56  | A count of the CD56 expressing cells per unit of a biological specimen.  | CD56 Expressing Cell Measurement            |
| C111152  | CD79A                           | CD79A   | A measurement of the CD79A expressing cells per unit in a biological specimen.   | CD79A Expressing Cell Count                 |
| C103811  | CD8                             | CD8   | A count of the CD8 expressing cells per unit in a biological specimen.   | CD8 Expressing Cell Count                   |
| C103816  | CD8/Lymphocytes                 | CD8/Lymphocytes   | A relative measurement (ratio or percentage) of CD8 expressing cells to all lymphocytes in a biological specimen.                  | CD8 Cell to Lymphocyte Ratio Measurement    |
| C74764   | Cellular Casts                  | Cellular Casts  | A measurement of the cellular (white blood cell, red blood cell, epithelial and bacterial) casts present in a biological specimen. | Cellular Cast Measurement                   |
| C111153  | Cellularity                     | Cellularity;Cellularity Grade   | A measurement of the degree, quality or condition of cells in a biological specimen.   | Cellularity Measurement                     |
| C111154  | Centromere B Antibodies         | Centromere B Antibodies   | A measurement of centromere B antibodies in a biological specimen.   | Centromere B Antibody Measurement           |
| C122111  | Centromere IgG Antibody         | Centromere IgG Antibody;Centromere Protein B  | A measurement of the centromere IgG antibody in a biological specimen.   | Centromere IgG Antibody Measurement         |
| C100432  | Ceruloplasmin                   | Caeruloplasmin;Ceruloplasmin  | A measurement of ceruloplasmin in a biological specimen.   | Ceruloplasmin Measurement                   |
| C112236  | Chemokine (C-C Motif) Ligand 17 | ABCD-2;Chemokine (C-C Motif) Ligand 17;SCYA17;TARC;Thymus and Activation Regulated Chemokine  | A measurement of the CCL17, chemokine (C-C motif) ligand 17, in a biological specimen.   | Chemokine (C-C Motif) Ligand 17 Measurement |
| C112237  | Chemokine (C-C Motif) Ligand 18 | AMAC-1;AMAC1;CKB7;Chemokine (C-C Motif) Ligand 18;DC-CK1;DCCK1;MIP-4;Macrophage inflammatory protein-4;PARC;Pulmonary and Activation-Regulated Chemokine;SCYA18 | A measurement of the CCL18, chemokine (C-C motif) ligand 18, in a biological specimen.   | Chemokine (C-C Motif) Ligand 18 Measurement |

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| C11223<br>8 | Chemokine (C-X-C Motif) Ligand 10    | Chemokine (C-X-C Motif) Ligand 10;IP-10;Interferon Gamma-induced Protein 10;Small-inducible Cytokine B10 | A measurement of the CXCL10, chemokine (C-X-C motif) ligand 10, in a biological specimen.  | Chemokine (C-X-C Motif) Ligand 10 Measurement    |
| C10043<br>1 | Chemokine (C-X-C Motif) Receptor 3   | CD183;CXCR3;Chemokine (C-X-C Motif) Receptor 3;GPR9  | A measurement of the CXCR3, chemokine (C-X-C motif) receptor 3, in a biological specimen.  | Chemokine Receptor CXCR3 Measurement             |
| C92432      | Chlamydia pneumoniae IgA Antibody    | Chlamydia pneumoniae IgA Antibody  | A measurement of the Chlamydia pneumoniae IgA antibody in a biological specimen.   | Chlamydia pneumoniae IgA Antibody Measurement    |
| C92433      | Chlamydia pneumoniae IgM Antibody    | Chlamydia pneumoniae IgM Antibody  | A measurement of the Chlamydia pneumoniae IgM in a biological specimen.  | Chlamydia pneumoniae IgM Antibody Measurement    |
| C10046<br>4 | Chlamydia trachomatis IgA Antibody   | Chlamydia trachomatis IgA Antibody   | A measurement of the Chlamydia trachomatis IgA antibody in a biological specimen.  | Chlamydia trachomatis IgA Antibody Measurement   |
| C10046<br>6 | Chlamydia trachomatis IgG Antibody   | Chlamydia trachomatis IgG Antibody   | A measurement of the Chlamydia trachomatis IgG antibody in a biological specimen.  | Chlamydia trachomatis IgG Antibody Measurement   |
| C10046<br>5 | Chlamydia trachomatis IgM Antibody   | Chlamydia trachomatis IgM Antibody   | A measurement of the Chlamydia trachomatis IgM antibody in a biological specimen.  | Chlamydia trachomatis IgM Antibody Measurement   |
| C64495      | Chloride                             | Chloride   | A measurement of the chloride in a biological specimen.  | Chloride Measurement                             |
| C10650<br>9 | Chloride Clearance                   | Chloride Clearance   | A measurement of the volume of serum or plasma that would be cleared of chloride by excretion of urine for a specified unit of time (e.g. one minute). | Chloride Clearance Measurement                   |
| C11783<br>2 | Chloride Excretion Rate              | Chloride Excretion Rate  | A measurement of the amount of chloride being excreted in urine over a defined period of time (e.g. one hour).   | Chloride Urine Excretion Rate                    |
| C79440      | Chloride/Creatinine                  | Chloride/Creatinine  | A relative measurement (ratio or percentage) of the chloride to creatinine in a biological specimen.   | Chloride to Creatinine Ratio Measurement         |
| C74850      | Cholecystokinin                      | Cholecystokinin;Pancreozymin   | A measurement of the cholecystokinin hormone in a biological specimen.   | Cholecystokinin Measurement                      |
| C11619<br>4 | Cholera Toxin B Subunit IgG Antibody | Cholera Toxin B Subunit IgG Antibody   | A measurement of the cholera toxin B subunit IgG antibody in a biological specimen.  | Cholera Toxin B Subunit IgG Antibody Measurement |
| C10558<br>6 | Cholesterol                          | Cholesterol;Total Cholesterol  | A measurement of the cholesterol in a biological specimen.   | Cholesterol Measurement                          |
| C74672      | Cholesterol Crystals                 | Cholesterol Crystals   | A measurement of the cholesterol crystals present in a biological specimen.  | Cholesterol Crystal Measurement                  |
| C80171      | Cholesterol/HDL-Cholesterol          | Cholesterol/HDL-Cholesterol  | A relative measurement (ratio or percentage) of total cholesterol to high-density lipoprotein cholesterol (HDL-C) in a biological specimen.            | Cholesterol to HDL-Cholesterol Ratio Measurement |
| C12063<br>2 | Cholesteryl Ester Transfer Protein   | Cholesteryl Ester Transfer Protein   | A measurement of the cholesteryl ester transfer protein in a biological specimen.  | Cholesteryl Ester Transfer Protein Measurement   |

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| C103380  | Cholesteryl Ester Transfer Protein Act | Cholesteryl Ester Transfer Protein Act    | A measurement of the biological activity of cholesteryl ester transfer protein in a biological specimen.   | Cholesteryl Ester Transfer Protein Activity Measurement |
| C92289   | Cholinesterase                         | Cholinesterase                            | A measurement of the cholinesterase in a biological specimen.  | Cholinesterase Measurement                              |
| C64851   | Choriogonadotropin Beta                | Choriogonadotropin Beta;Pregnancy Test    | A measurement of the Choriogonadotropin Beta in a biological specimen.   | Choriogonadotropin Beta Measurement                     |
| C122108  | Chromogranin A                         | Chromogranin A                            | A measurement of the chromogranin A in a biological specimen.  | Chromogranin A Measurement                              |
| C120633  | Chylomicrons                           | Chylomicrons                              | A measurement of the chylomicrons in a biological specimen.  | Chylomicrons Measurement                                |
| C111159  | Chymotrypsin                           | Chymotrypsin                              | A measurement of the total chymotrypsin in a biological specimen.  | Chymotrypsin Measurement                                |
| C96592   | Circulating Endothelial Cells          | Circulating Endothelial Cells             | A measurement of the circulating endothelial cells in a biological specimen.   | Circulating Endothelial Cell Count                      |
| C127611  | Circulating Immune Complexes           | Circulating Immune Complexes              | A measurement of the circulating immune complexes in a biological specimen.  | Circulating Immune Complex Measurement                  |
| C96593   | Circulating Tumor Cells                | Circulating Tumor Cells                   | A measurement of the circulating tumor cells in a biological specimen.   | Circulating Tumor Cell Count                            |
| C92248   | Citrate                                | Citrate;Citric Acid                       | A measurement of the citrate in a biological specimen.   | Citrate Measurement                                     |
| C122110  | Citrate/Creatinine                     | Citrate/Creatinine;Citric Acid/Creatinine | A relative measurement (ratio or percentage) of the citrate to creatinine in a biological specimen.  | Citrate to Creatinine Ratio Measurement                 |
| C122109  | Citrulline                             | Citrulline                                | A measurement of the citrulline in a biological specimen.  | Citrulline Measurement                                  |
| C96594   | Clarity                                | Clarity                                   | A measurement of the transparency of a biological specimen.  | Clarity Measurement                                     |
| C103381  | Clostridium difficile Toxin            | Clostridium difficile Toxin               | A measurement of the Clostridium difficile toxin in a biological specimen.   | Clostridium difficile Toxin Measurement                 |
| C103382  | Clostridium tetani IgG Antibody        | Clostridium tetani IgG Antibody           | A measurement of the Clostridium tetani IgG antibody in a biological specimen.   | Clostridium tetani IgG Antibody Measurement             |
| C102261  | Clue Cells                             | Clue Cells                                | A measurement of the clue cells in a biological specimen.  | Clue Cell Count   |
| C98716   | CMV Viral Load                         | CMV Viral Load                            | A measurement of the cytomegalovirus viral load in a biological specimen.  | Cytomegalovirus Viral Load Measurement                  |
| C112239  | Coagulation Index                      | CI;Coagulation Index                      | A measurement of the efficiency of coagulation of a biological specimen. This is calculated by a mathematical formula that takes into account the R value, K value, angle and maximum amplitude of clot formation. | Coagulation Index Measurement                           |

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|-----------------|-------------------------------|---|--|--|
| C74690          | Cocaine                       | Cocaine   | A measurement of the cocaine present in a biological specimen.   | Cocaine Measurement                            |
| C111160         | Coccidioides Antibody         | Coccidioides Antibody   | A measurement of the coccidioides antibody in a biological specimen.                                     | Coccidioides Antibody Measurement              |
| C74877          | Codeine                       | Codeine   | A measurement of the codeine present in a biological specimen.   | Codeine Measurement                            |
| C103383         | Collagen Type IV              | Collagen Type IV  | A measurement of the collagen type IV in a biological specimen.  | Collagen Type IV Measurement                   |
| C64546          | Color                         | Color   | A measurement of the color of a biological specimen.   | Color Assessment                               |
| C80172          | Complement Bb                 | Bb Fragment of Complement Factor B;Bb Fragment of Factor B;Complement Bb  | A measurement of the Bb fragment of complement factor B in a biological specimen.                        | Complement Bb Measurement                      |
| C80173          | Complement C1q Antibody       | Complement C1q Antibody   | A measurement of the complement C1q antibody in a biological specimen.                                   | Complement C1q Antibody Measurement            |
| C80174          | Complement C3                 | Complement C3   | A measurement of the complement C3 in a biological specimen.   | Complement C3 Measurement                      |
| C80175          | Complement C3a                | ASP, Complement C3 DesArg, Acetylation-stimulating Protein;Complement C3a | A measurement of the complement C3a in a biological specimen.  | Complement C3a Measurement                     |
| C80176          | Complement C3b                | Complement C3b  | A measurement of the complement C3b in a biological specimen.  | Complement C3b Measurement                     |
| C119271         | Complement C3d Antibody       | Complement C3d Antibody   | A measurement of the complement C3d antibody in a biological specimen.                                   | Complement C3d Antibody Measurement            |
| C80177          | Complement C4                 | Complement C4   | A measurement of the complement C4 in a biological specimen.   | Complement C4 Measurement                      |
| C80178          | Complement C4a                | Complement C4a  | A measurement of the complement C4a in a biological specimen.  | Complement C4a Measurement                     |
| C127610         | Complement C4d                | Complement C4d  | A measurement of the complement C4d in a biological specimen.  | Complement C4d Measurement                     |
| C80179          | Complement C5a                | Complement C5a  | A measurement of the complement C5a in a biological specimen.  | Complement C5a Measurement                     |
| C100423         | Complement CH50               | CH50;Complement CH50;Total Hemolytic Complement                           | A measurement of the complement required to lyse 50 percent of red blood cells in a biological specimen. | CH50 Measurement                               |
| C80160          | Complement Total              | Complement Total  | A measurement of the total complement in a biological specimen.  | Complement Measurement                         |
| C127612         | Copeptin                      | Copeptin  | A measurement of the copeptin in a biological specimen.  | Copeptin Measurement                           |
| C111161         | Copper                        | Copper;Cu   | A measurement of copper in a biological specimen.  | Copper Measurement                             |
| C79434          | Corticosterone                | Corticosterone  | A measurement of corticosterone in a biological specimen.  | Corticosterone Measurement                     |
| C106511         | Corticosterone/Creatinine     | Corticosterone/Creatinine   | A relative measurement (ratio or percentage) of the corticosterone to creatinine present in a sample.    | Corticosterone to Creatinine Ratio Measurement |

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|-----------------|--|--|--|---|
| C74851          | Corticotropin Releasing Hormone          | Corticotropin Releasing Factor;Corticotropin Releasing Hormone | A measurement of the corticotropin releasing hormone in a biological specimen.   | Corticotropin Releasing Hormone Measurement                   |
| C74781          | Cortisol                                 | Cortisol;Total Cortisol  | A measurement of the cortisol in a biological specimen.  | Cortisol Measurement  |
| C88113          | Cortisol, Free                           | Cortisol, Free   | A measurement of the free, unbound cortisol in a biological specimen.  | Free Cortisol Measurement                                     |
| C10651<br>2     | Cortisol/Creatinine                      | Cortisol/Creatinine  | A relative measurement (ratio or percentage) of the cortisol to creatinine present in a sample.  | Cortisol to Creatinine Ratio Measurement                      |
| C92249          | Cotinine                                 | Cotinine   | A measurement of the cotinine in a biological specimen.  | Cotinine Measurement  |
| C64489          | Creatine Kinase                          | CPK;Creatine Kinase  | A measurement of the total creatine kinase in a biological specimen.   | Creatine Kinase Measurement                                   |
| C64490          | Creatine Kinase BB                       | Creatine Kinase BB   | A measurement of the homozygous B-type creatine kinase in a biological specimen.   | Creatine Kinase BB Measurement                                |
| C79466          | Creatine Kinase BB/Total Creatine Kinase | Creatine Kinase BB/Total Creatine Kinase                       | A relative measurement (ratio or percentage) of the BB-type creatine kinase to total creatine kinase in a biological specimen.   | Creatine Kinase BB to Total Creatine Kinase Ratio Measurement |
| C64491          | Creatine Kinase MB                       | Creatine Kinase MB   | A measurement of the heterozygous MB-type creatine kinase in a biological specimen.  | Creatine Kinase MB Measurement                                |
| C79441          | Creatine Kinase MB/Total Creatine Kinase | Creatine Kinase MB/Total Creatine Kinase                       | A relative measurement (ratio or percentage) of the MB-type creatine kinase to total creatine kinase in a biological specimen.   | Creatine Kinase MB to Total Creatine Kinase Ratio Measurement |
| C64494          | Creatine Kinase MM                       | Creatine Kinase MM   | A measurement of the homozygous M-type creatine kinase in a biological specimen.   | Creatine Kinase MM Measurement                                |
| C79442          | Creatine Kinase MM/Total Creatine Kinase | Creatine Kinase MM/Total Creatine Kinase                       | A relative measurement (ratio or percentage) of the MM-type creatine kinase to total creatine kinase in a biological specimen.   | Creatine Kinase MM to Total Creatine Kinase Ratio Measurement |
| C64547          | Creatinine                               | Creatinine   | A measurement of the creatinine in a biological specimen.  | Creatinine Measurement  |
| C25747          | Creatinine Clearance                     | Creatinine Clearance   | A measurement of the volume of serum or plasma that would be cleared of creatinine by excretion of urine for a specified unit of time (e.g. one minute).                               | Creatinine Clearance  |
| C11783<br>3     | Creatinine Excretion Rate                | Creatinine Excretion Rate                                      | A measurement of the amount of creatinine being excreted in urine over a defined amount of time (e.g. one hour).   | Creatinine Urine Excretion Rate                               |
| C74703          | Crenated Cells                           | Crenated Cells;Echinocytes                                     | A measurement of the Burr cells (erythrocytes characterized by the presence of multiple small, sharp projections evenly distributed across the cell surface) in a biological specimen. | Crenated Cell Measurement                                     |

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| C111164  | Cryoglobulin                          | Cryoglobulin   | A measurement of cryoglobulin in a biological specimen.   | Cryoglobulin Measurement                          |
| C74673   | Crystals                              | Crystals   | A statement that indicates crystals were looked for in a biological specimen.   | Crystal Present Or Absent                         |
| C124339  | Cyclic Adenosine 3,5-Monophosphate    | Cyclic Adenosine 3,5-Monophosphate                                   | A measurement of cyclic adenosine 3,5-monophosphate in a biological specimen.   | Cyclic Adenosine 3,5-Monophosphate Measurement    |
| C96595   | Cyclic Citrullinated Peptide Antibody | Cyclic Citrullinated Peptide Antibody                                | A measurement of the cyclic citrullinated peptide antibody in a biological specimen.  | Cyclic Citrullinated Peptide Antibody Measurement |
| C111165  | Cyclic Guanosine Monophosphate        | Cyclic Guanosine Monophosphate                                       | A measurement of the cyclic guanosine 3,5-monophosphate in a biological specimen.   | Cyclic Guanosine Monophosphate Measurement        |
| C92290   | Cystatin C                            | Cystatin C   | A measurement of the cystatin C in a biological specimen.   | Cystatin C Measurement                            |
| C106513  | Cystatin C/Creatinine                 | Cystatin C/Creatinine  | A relative measurement (ratio or percentage) of the cystatin C to creatinine present in a sample.   | Cystatin C to Creatinine Ratio Measurement        |
| C105441  | Cystine                               | Cystine  | A measurement of the cystine in a biological specimen.  | Cystine Measurement                               |
| C74674   | Cystine Crystals                      | Cystine Crystals   | A measurement of the cystine crystals present in a biological specimen.   | Cystine Crystal Measurement                       |
| C106514  | Cytokeratin Fragment 21-1             | CYFRA21-1;Cytokeratin 19 Fragment;Cytokeratin Fragment 21-1          | A measurement of the cytokeratin 19 fragment 21-1 in a biological specimen.   | Cytokeratin Fragment 21-1 Measurement             |
| C96596   | Cytomegalovirus IgG Antibody          | Cytomegalovirus IgG Antibody   | A measurement of the cytomegalovirus IgG antibody in a biological specimen.   | Cytomegalovirus IgG Antibody Measurement          |
| C96597   | Cytomegalovirus IgM Antibody          | Cytomegalovirus IgM Antibody   | A measurement of the cytomegalovirus IgM antibody in a biological specimen.   | Cytomegalovirus IgM Antibody Measurement          |
| C111166  | Cytoplasmic Basophilia Neutrophil     | Cytoplasmic Basophilia Neutrophil                                    | A measurement of the neutrophils in a biological specimen showing a dark staining pattern in the cytoplasm due to increased acidic content. | Cytoplasmic Basophilia Neutrophil Count           |
| C82621   | D-Dimer                               | D-Dimer  | A measurement of the d-dimers in a biological specimen.   | D-Dimer Measurement                               |
| C64801   | Dacryocytes                           | Dacryocytes;Tear Shaped Erythrocytes;Teardrop Cells                  | A measurement of dacryocytes in a biological specimen.  | Dacryocyte Analysis                               |
| C111190  | Degenerated Leukocytes                | Degenerated Leukocytes;Degenerated WBC;Degenerated White Blood Cells | A measurement of the degenerated leukocytes (leukocytes that show deterioration in form or function) in a biological specimen.              | Degenerated Leukocyte Count                       |
| C74852   | Dehydroepiandrosterone                | Dehydroepiandrosterone;Dehydroisoandrosterone                        | A measurement of the dehydroepiandrosterone hormone in a biological specimen.   | Dehydroepiandrosterone Measurement                |
| C96629   | Dehydroepiandrosterone Sulfate        | DHEA Sulfate;DHEA-S;Dehydroepiandrosterone Sulfate;sdHEA             | A measurement of the sulfated Dehydroepiandrosterone in a biological specimen.  | Sulfated DHEA Measurement                         |

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| C45781      | Density                                 | Density   | A measurement of the compactness of a biological specimen expressed in mass per unit volume.   | Density  |
| C12434<br>3 | Deoxyhemoglobin                         | Deoxyhemoglobin   | A measurement of the deoxyhemoglobin, hemoglobin without oxygen, in a biological specimen.   | Deoxyhemoglobin Measurement                                    |
| C79443      | Deoxypyridinoline                       | Deoxypyridinoline   | A measurement of the deoxypyridinoline in a biological specimen.   | Deoxypyridinoline Measurement                                  |
| C79444      | Deoxypyridinoline/Creatinine            | Deoxypyridinoline/Creatinine                                      | A relative measurement (ratio or percentage) of the deoxypyridinoline to creatinine in a biological specimen.  | Deoxypyridinoline to Creatinine Ratio Measurement              |
| C12211<br>4 | Desmoglein 1 Antibody                   | Desmoglein 1 Antibody   | A measurement of the desmoglein 1 antibody in a biological specimen.   | Desmoglein 1 Antibody Measurement                              |
| C12211<br>5 | Desmoglein 3 Antibody                   | Desmoglein 3 Antibody   | A measurement of the desmoglein 3 antibody in a biological specimen.   | Desmoglein 3 Antibody Measurement                              |
| C10226<br>2 | Dextroamphetamine                       | Dextroamphetamine;d-amphetamine                                   | A measurement of the dextroamphetamine in a biological specimen.   | Dextroamphetamine Measurement                                  |
| C74878      | Dihydrocodeine                          | Dihydrocodeine  | A measurement of the dihydrocodeine present in a biological specimen.  | Dihydrocodeine Measurement                                     |
| C74853      | Dihydrotestosterone                     | Androstalone;Dihydrotestosterone                                  | A measurement of the dihydrotestosterone hormone in a biological specimen.   | Dihydrotestosterone Measurement                                |
| C96696      | Dilute Russell's Viper Venom Time       | Dilute Russell's Viper Venom Time;Lupus Anticoagulant Test        | A measurement of the time it takes a plasma sample to clot after adding dilute Russell's viper venom.  | Dilute Russell's Viper Venom Time Measurement                  |
| C10338<br>6 | Dilute Russell's Viper Venom Time Ratio | Dilute Russell's Viper Venom Time Ratio;Lupus Anticoagulant Ratio | A relative measurement of the dilute Russell's viper venom time in a subject sample to a control sample.   | Dilute Russell's Viper Venom Time to Control Ratio Measurement |
| C11785<br>3 | Dimorphic Erythrocyte Population        | Dimorphic Erythrocyte Population;Dimorphic RBC Population         | Examination of a biological specimen to detect the presence of dimorphic erythrocyte population.   | Dimorphic Erythrocyte Population                               |
| C10338<br>7 | Dipeptidyl Peptidase-4 Activity         | DPPIV Activity;Dipeptidyl Peptidase-4 Activity                    | A measurement of the biological activity of dipeptidyl peptidase-4 in a biological specimen.   | Dipeptidyl Peptidase-4 Activity Measurement                    |
| C10338<br>8 | Diphtheria IgG Antibody                 | Diphtheria IgG Antibody   | A measurement of the Diphtheria IgG antibodies in a biological specimen.   | Diphtheria IgG Antibody Measurement                            |
| C64481      | Direct Bilirubin                        | Direct Bilirubin  | A measurement of the conjugated or water-soluble bilirubin in a biological specimen.   | Direct Bilirubin Measurement                                   |
| C10046<br>3 | DNase-B Antibody                        | Anti-Dnase B;DNase-B Antibody                                     | A measurement of Dnase-B antibody in a biological specimen.  | DNase-B Antibody Measurement                                   |
| C74610      | Dohle Bodies                            | Dohle Bodies  | A measurement of the Dohle bodies (blue-gray, basophilic, leukocyte inclusions located in the peripheral cytoplasm of neutrophils) in a biological specimen. | Dohle Body Measurement   |



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|-------------|-------------------------------|--|--|--|
| C74854      | Dopamine                      | Dopamine   | A measurement of the dopamine hormone in a biological specimen.  | Dopamine Measurement                           |
| C78139      | Drug Screen                   | Drug Screen  | An indication of the presence or absence of recreational drugs or drugs of abuse in a biological specimen.   | Drug Test                                      |
| C10044<br>1 | DTPA Clearance                | DTPA Clearance   | A measurement of the volume of serum or plasma that would be cleared of Diethylenetriamine pentaacetate (DTPA) by excretion of urine for a specified unit of time (e.g. one minute).   | Diethylene Triamine Pentaacetic Acid Clearance |
| C10651<br>9 | EBV Profile Interpretation    | EBV Profile Interpretation; Epstein-Barr Virus Antibody Profile; Epstein-Barr Virus Panel; Epstein-Barr Virus Profile Interpretation | An assessment of Epstein-Barr virus infection based on a panel of EBV antigen antibody tests.  | Epstein-Barr Virus Profile Interpretation      |
| C98721      | EBV Viral Load                | EBV Viral Load   | A measurement of the Epstein-Barr virus viral load in a biological specimen.   | Epstein-Barr Virus Viral Load Measurement      |
| C10042<br>2 | Ecarin Clotting Time          | Ecarin Clotting Time   | A measurement of the activity of thrombin inhibitors in a biological specimen based on the generation of meizothrombin.  | Ecarin Clotting Time Measurement               |
| C96598      | Eccentrocytes                 | Eccentrocytes  | A measurement of the eccentrocytes (erythrocytes in which the hemoglobin is localized to a particular portion of the cell, noticeable as localized staining) in a biological specimen. | Eccentrocyte Count                             |
| C10044<br>0 | EDTA Clearance                | EDTA Clearance   | A measurement of the volume of serum or plasma that would be cleared of Ethylenediamine tetraacetic acid (EDTA) by excretion of urine for a specified unit of time (e.g. one minute).  | EDTA Clearance                                 |
| C64549      | Elliptocytes                  | Elliptocytes; Ovalocytes   | A measurement of the elliptically shaped erythrocytes in a biological specimen.  | Elliptocyte Count                              |
| C10226<br>6 | Endogenous Thrombin Potential | Endogenous Thrombin Potential  | A measurement of the total concentration of thrombin generated in the presence of a substrate in a plasma or blood sample.   | Endogenous Thrombin Potential Measurement      |
| C82008      | Endothelin-1                  | Endothelin-1   | A measurement of the endothelin-1 in a biological specimen.  | Endothelin-1 Measurement                       |
| C84819      | Eosinophilic Metamyelocytes   | Eosinophilic Metamyelocytes  | A measurement of the eosinophilic metamyelocytes in a biological specimen.   | Eosinophilic Metamyelocyte Count               |
| C84821      | Eosinophilic Myelocytes       | Eosinophilic Myelocytes  | A measurement of the eosinophilic myelocytes in a biological specimen.   | Eosinophilic Myelocyte Count                   |
| C64550      | Eosinophils                   | Eosinophils  | A measurement of the eosinophils in a biological specimen.   | Eosinophil Count                               |
| C11421<br>6 | Eosinophils Band Form         | Eosinophils Band Form  | A measurement of the banded eosinophils in a biological specimen.  | Eosinophil Band Form Count                     |

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| NCI Code | CDISC Submission Value                 | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                      |
|----------|--|---|---|---|
| C114217  | Eosinophils Band Form/Leukocytes       | Eosinophils Band Form/Leukocytes                                    | A relative measurement (ratio or percentage) of the banded eosinophils to leukocytes in a biological specimen.                                | Eosinophil Band Form to Leukocyte Ratio                 |
| C64604   | Eosinophils/Leukocytes                 | Eosinophils/Leukocytes  | A relative measurement (ratio or percentage) of the eosinophils to leukocytes in a biological specimen.                                       | Eosinophil to Leukocyte Ratio                           |
| C98720   | Eosinophils/Total Cells                | Eosinophils/Total Cells   | A relative measurement (ratio or percentage) of the eosinophils to total cells in a biological specimen (for example a bone marrow specimen). | Eosinophils to Total Cell Ratio Measurement             |
| C81952   | Eotaxin-1                              | Chemokine Ligand 11;Eotaxin-1                                       | A measurement of the eotaxin-1 in a biological specimen.  | Eotaxin-1 Measurement                                   |
| C81953   | Eotaxin-2                              | Chemokine Ligand 24;Eotaxin-2                                       | A measurement of the eotaxin-2 in a biological specimen.  | Eotaxin-2 Measurement                                   |
| C81954   | Eotaxin-3                              | CCL26;Chemokine (C-C Motif) Ligand 26;Chemokine Ligand 26;Eotaxin-3 | A measurement of the eotaxin-3 in a biological specimen.  | Eotaxin-3 Measurement                                   |
| C82009   | Epidermal Growth Factor                | Epidermal Growth Factor   | A measurement of the epidermal growth factor in a biological specimen.  | Epidermal Growth Factor Measurement                     |
| C112273  | Epidermal Growth Factor Receptor       | ERBB1;Epidermal Growth Factor Receptor;HER1                         | A measurement of the cells with positive expression of EGFR in a biological specimen.   | Epidermal Growth Factor Receptor Measurement            |
| C79445   | Epinephrine                            | Adrenaline;Epinephrine  | A measurement of the epinephrine hormone in a biological specimen.  | Epinephrine Measurement                                 |
| C82010   | Epith Neutrophil-Activating Peptide 78 | Epith Neutrophil-Activating Peptide 78                              | A measurement of the epithelial neutrophil-activating peptide in a biological specimen.   | Epithelial Neutrophil-Activating Peptide 78 Measurement |
| C74779   | Epithelial Casts                       | Epithelial Casts  | A measurement of the epithelial cell casts present in a biological specimen.  | Epithelial-Cast Measurement                             |
| C64605   | Epithelial Cells                       | Epithelial Cells  | A measurement of the epithelial cells in a biological specimen.   | Epithelial Cell Count                                   |
| C96600   | Epstein-Barr Capsid IgG Antibody       | Epstein-Barr Capsid IgG Antibody                                    | A measurement of the Epstein-Barr capsid IgG antibody in a biological specimen.   | Epstein-Barr Capsid IgG Antibody Measurement            |
| C96601   | Epstein-Barr Capsid IgM Antibody       | Epstein-Barr Capsid IgM Antibody                                    | A measurement of the Epstein-Barr capsid IgM antibody in a biological specimen.   | Epstein-Barr Capsid IgM Antibody Measurement            |
| C96602   | Epstein-Barr Early Antigen             | Epstein-Barr Early Antigen  | A measurement of the Epstein-Barr early antigen in a biological specimen.   | Epstein-Barr Early Antigen Measurement                  |
| C122116  | Epstein-Barr Early D Antigen IgG Ab    | Epstein-Barr Early D Antigen IgG Ab                                 | A measurement of the Epstein-Barr early diffuse antigen IgG antibody in a biological specimen.  | Epstein-Barr Early D Antigen IgG Antibody Measurement   |
| C96603   | Epstein-Barr Nuclear Antibody          | Epstein-Barr Nuclear Antibody;Epstein-Barr Nuclear Antigen Antibody | A measurement of the Epstein-Barr nuclear antibody in a biological specimen.  | Epstein-Barr Nuclear Antibody Measurement               |
| C96604   | Epstein-Barr Nuclear Antigen           | Epstein-Barr Nuclear Antigen  | A measurement of the Epstein-Barr nuclear antigen in a biological specimen.   | Epstein-Barr Nuclear Antigen Measurement                |

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| NCI Code | CDISC Submission Value                  | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
|----------|---|---|--|---|
| C106518  | Epstein-Barr Nuclear Antigen 1 IgG Ab   | Epstein-Barr Nuclear Antigen 1 IgG Ab   | A measurement of the Epstein-Barr nuclear antigen 1 IgG antibody in a biological specimen.   | Epstein-Barr Nuclear Antigen 1 IgG Ab Measurement     |
| C64797   | Ery. Mean Corpuscular Hemoglobin        | Ery. Mean Corpuscular Hemoglobin  | A measurement of the mean amount of hemoglobin per erythrocyte in a biological specimen.   | Erythrocyte Mean Corpuscular Hemoglobin               |
| C64798   | Ery. Mean Corpuscular HGB Concentration | Ery. Mean Corpuscular HGB Concentration   | A measurement of the mean amount of hemoglobin per erythrocytes in a specified volume of a biological specimen.  | Erythrocyte Mean Corpuscular Hemoglobin Concentration |
| C64799   | Ery. Mean Corpuscular Volume            | Ery. Mean Corpuscular Volume;Erythrocytes Mean Corpuscular Volume;RBC Mean Corpuscular Volume | A measurement of the mean volume of erythrocytes in a biological specimen.   | Erythrocyte Mean Corpuscular Volume                   |
| C111197  | Erythrocyte Agglutination               | Autoagglutination;Erythrocyte Agglutination;RBC Agglutination                                 | A measurement of the erythrocyte agglutination in a biological specimen.   | Erythrocyte Agglutination Measurement                 |
| C92245   | Erythrocyte Cell Clumps                 | Erythrocyte Cell Clumps;RBC Clumps;Red Blood Cell Clumps                                      | A measurement of red blood cell clumps in a biological specimen.   | Erythrocyte Cell Clumps Measurement                   |
| C92296   | Erythrocyte Cell Morphology             | Erythrocyte Cell Morphology;RBC Morphology;Red Blood Cell Morphology                          | An examination or assessment of the form and structure of red blood cells.   | Erythrocyte Cell Morphology                           |
| C116212  | Erythrocyte Fragment                    | Erythrocyte Fragment;RBC Fragment   | A measurement of the red blood cell fragments (red cell fragments that have a reticular-like shape with rounded ends and no spicules, differentiating them from schistocytes and acanthocytes) in a biological specimen. | Erythrocyte Fragment Measurement                      |
| C96605   | Erythrocyte Ghosts                      | Erythrocyte Ghosts;RBC Ghosts   | A measurement of the erythrocyte ghosts (erythrocytes in which hemoglobin has been removed through hemolysis) in a biological specimen.  | Erythrocyte Ghost Count                               |
| C74611   | Erythrocyte Sedimentation Rate          | Biernacki Reaction;Erythrocyte Sedimentation Rate   | The distance (e.g. millimeters) that red blood cells settle in unclotted blood over a specified unit of time (e.g. one hour).  | Erythrocyte Sedimentation Rate Measurement            |
| C51946   | Erythrocytes                            | Erythrocytes;Red Blood Cells  | A measurement of the total erythrocytes in a biological specimen.  | Erythrocyte Count                                     |
| C64800   | Erythrocytes Distribution Width         | Erythrocytes Distribution Width;Red Blood Cell Distribution Width                             | A value derived from mean corpuscular volume and the standard deviation of the red blood cell volume in a whole blood specimen.  | Erythrocyte Distribution Width Measurement            |
| C74855   | Erythropoietin                          | Erythropoietin;Hematopoietin  | A measurement of the erythropoietin hormone in a biological specimen.  | Erythropoietin Measurement                            |
| C74782   | Estradiol                               | Estradiol;Oestradiol  | A measurement of the estradiol in a biological specimen.   | Estradiol Measurement                                 |
| C74856   | Estriol                                 | Estriol;Oestriol  | A measurement of the estriol hormone in a biological specimen.   | Estriol Measurement                                   |
| C81963   | Estriol, Free                           | Estriol, Free   | A measurement of the free estriol in a biological specimen.  | Free Estriol Measurement                              |
| C112274  | Estrogen Receptor                       | ER;ESR;Estrogen Receptor;Oestrogen Receptor   | A measurement of estrogen receptor protein in a biological specimen.   | Estrogen Receptor Measurement                         |

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|----------|---|---|---|---|
| C74857   | Estrone                                 | Estrone;Oestrone  | A measurement of the estrone hormone in a biological specimen.  | Estrone Measurement   |
| C74693   | Ethanol                                 | Alcohol;Ethanol   | A measurement of the ethanol present in a biological specimen.  | Ethanol Measurement   |
| C102263  | ETP Area Under Curve                    | ETP Area Under Curve;Endogenous Thrombin Potential Area Under Curve           | A measurement of the area under the thrombin generation curve.  | Endogenous Thrombin Potential Area Under Curve Measurement      |
| C102264  | ETP Lag Time                            | ETP Lag Time;Endogenous Thrombin Potential Lag Time                           | A measurement of time from the start of the thrombin generation test to the point where a predetermined amount of thrombin is generated.                                | Endogenous Thrombin Potential Lag Time Measurement              |
| C102265  | ETP Lag Time Relative                   | ETP Lag Time Relative;Endogenous Thrombin Potential Lag Time Relative         | A relative measurement (ratio or percentage) of time from the start of the thrombin generation test to the point where a predetermined amount of thrombin is generated. | Endogenous Thrombin Potential Lag Time Relative Measurement     |
| C102267  | ETP Peak Height                         | ETP Peak Height;Endogenous Thrombin Potential Peak Height                     | A measurement of the maximum concentration of thrombin generated during a thrombin generation test.   | Endogenous Thrombin Potential Peak Height Measurement           |
| C102268  | ETP Peak Height Relative                | ETP Peak Height Relative;Endogenous Thrombin Potential Peak Height Relative   | A relative (ratio or percentage) of the maximum concentration of thrombin generated during a thrombin generation test.  | Endogenous Thrombin Potential Peak Height Relative Measurement  |
| C102269  | ETP Time to Peak                        | ETP Time to Peak;Endogenous Thrombin Potential Time to Peak                   | A measurement of the time it takes to generate the maximum concentration of thrombin.   | Endogenous Thrombin Potential Time to Peak Measurement          |
| C102270  | ETP Time to Peak Relative               | ETP Time to Peak Relative;Endogenous Thrombin Potential Time to Peak Relative | A relative (ratio or percentage) measurement of the time it takes to generate the maximum concentration of thrombin.  | Endogenous Thrombin Potential Time to Peak Relative Measurement |
| C82011   | Extracell Newly Ident RAGE Bind Protein | Extracell Newly Ident RAGE Bind Protein;S100 Calcium Binding Protein A12      | A measurement of the extracellular newly identified RAGE (receptor for advanced glycation end products) binding protein in a biological specimen.                       | Extracell Newly Ident RAGE Bind Protein Measurement             |
| C92270   | Extractable Nuclear Antigen Antibody    | Anti-ENA;Extractable Nuclear Antigen Antibody                                 | A measurement of the extractable nuclear antigen antibody in a biological specimen.   | Extractable Nuclear Antigen Antibody Measurement                |
| C80180   | F2-Isoprostane                          | F2-Isoprostane  | A measurement of the F2-isoprostane in a biological specimen.   | F2 Isoprostane Measurement                                      |
| C96626   | Factor II                               | Factor II;Prothrombin   | A measurement of the coagulation factor II in a biological specimen.  | Prothrombin Measurement   |
| C81959   | Factor III                              | Factor III;Tissue Factor, CD142   | A measurement of the coagulation factor III in a biological specimen.   | Factor III Measurement  |
| C98725   | Factor IX                               | Christmas Factor;Factor IX  | A measurement of the coagulation factor IX in a biological specimen.  | Factor IX Measurement   |
| C103395  | Factor IX Activity                      | Christmas Factor Activity;Factor IX Activity                                  | A measurement of the biological activity of coagulation factor IX in a biological specimen.   | Factor IX Activity Measurement                                  |
| C98726   | Factor V                                | Factor V;Labile Factor  | A measurement of the coagulation factor V in a biological specimen.   | Factor V Measurement  |

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|-----------------|-------------------------------|--|---|--|
| C10339<br>6     | Factor V Activity             | Factor V Activity;Labile Factor Activity                         | A measurement of the biological activity of coagulation factor V in a biological specimen.  | Factor V Activity Measurement            |
| C10227<br>1     | Factor V Leiden               | Factor V Leiden  | A measurement of the coagulation factor V Leiden in a biological specimen.  | Factor V Leiden Measurement              |
| C81960          | Factor VII                    | Factor VII;Proconvertin;Stable Factor                            | A measurement of the coagulation factor VII in a biological specimen.   | Factor VII Measurement                   |
| C10339<br>7     | Factor VII Activity           | Factor VII Activity;Proconvertin Activity;Stable Factor Activity | A measurement of the biological activity of coagulation factor VII in a biological specimen.  | Factor VII Activity Measurement          |
| C10339<br>8     | Factor VIIa Activity          | Factor VIIa Activity   | A measurement of the biological activity of coagulation factor VIIa in a biological specimen.   | Factor VIIa Activity Measurement         |
| C81961          | Factor VIII                   | Anti-hemophilic Factor;Factor VIII                               | A measurement of the coagulation factor VIII in a biological specimen.  | Factor VIII Measurement                  |
| C10339<br>9     | Factor VIII Activity          | Anti-hemophilic Factor Activity;Factor VIII Activity             | A measurement of the biological activity of coagulation factor VIII in a biological specimen.   | Factor VIII Activity Measurement         |
| C98727          | Factor X                      | Factor X   | A measurement of the coagulation factor X in a biological specimen.   | Factor X Measurement                     |
| C12211<br>8     | Factor X Activity             | Factor X Activity  | A measurement of the coagulation factor X activity in a biological specimen.  | Factor X Activity Measurement            |
| C11227<br>7     | Factor XIII                   | Factor XIII;Fibrin Stabilizing Factor                            | A measurement of the coagulation factor XIII in a biological specimen.  | Factor XIII Measurement                  |
| C10227<br>2     | Factor XIV                    | Autoprothrombin IIA;Factor XIV;Protein C;Protein C Antigen       | A measurement of the coagulation factor XIV in a biological specimen.   | Factor XIV Measurement                   |
| C10544<br>2     | Factor XIV Activity           | Factor XIV Activity;Protein C Activity;Protein C Function        | A measurement of the coagulation factor XIV activity in a biological specimen.  | Factor XIV Activity Measurement          |
| C96648          | Fat                           | Fat  | A measurement of the fat in a biological specimen.  | Fat Measurement                          |
| C81947          | Fat Bodies, Oval              | Fat Bodies, Oval   | A measurement of the oval-shaped fat bodies, usually renal proximal tubular cells with lipid aggregates in the cytoplasm, in a biological specimen. | Oval Fat Body Measurement                |
| C98728          | Fat Droplet                   | Fat Droplet  | A measurement of the triglyceride aggregates within a biological specimen.  | Fat Droplet Measurement                  |
| C82012          | Fatty Acid Binding Protein 1  | Fatty Acid Binding Protein 1                                     | A measurement of the fatty acid binding protein 1 in a biological specimen.   | Fatty Acid Binding Protein 1 Measurement |
| C10652<br>1     | Fatty Acid Binding Protein 3  | Fatty Acid Binding Protein 3                                     | A measurement of the fatty acid binding protein 3 in a biological specimen.   | Fatty Acid Binding Protein 3 Measurement |
| C74766          | Fatty Casts                   | Fatty Casts  | A measurement of the fatty casts present in a biological specimen.  | Fatty Cast Measurement                   |
| C74737          | Ferritin                      | Ferritin   | A measurement of the ferritin in a biological specimen.   | Ferritin Measurement                     |

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|----------|-------------------------------------|--|---|---|
| C82013   | Fibrin Degradation Products         | Fibrin Degradation Products  | A measurement of the fibrin degradation products in a biological specimen.  | Fibrin Degradation Products Measurement         |
| C64606   | Fibrinogen                          | Fibrinogen   | A measurement of the fibrinogen in a biological specimen.   | Fibrinogen Measurement                          |
| C112280  | Fibroblast Growth Factor 21         | FGF 21;Fibroblast Growth Factor 21                                       | A measurement of the fibroblast growth factor 21 in a biological specimen.  | Fibroblast Growth Factor 21 Measurement         |
| C96650   | Fibroblast Growth Factor 23         | Fibroblast Growth Factor 23;Phosphatonin                                 | A measurement of the fibroblast growth factor 23 in a biological specimen.  | Fibroblast Growth Factor 23 Measurement         |
| C82014   | Fibroblast Growth Factor Basic Form | FGF2;Fibroblast Growth Factor Basic Form                                 | A measurement of the basic form of fibroblast growth factor in a biological specimen.   | Fibroblast Growth Factor Basic Form Measurement |
| C105443  | FibroTest Score                     | FibroSURE Score;FibroTest Score  | A biomarker test that measures liver pathology through the assessment of a six-parameter blood test (for Alpha-2-macroglobulin, Haptoglobin, Apolipoprotein A1, Gamma-glutamyl transpeptidase (GGT), Total bilirubin, and Alanine aminotransferase (ALT)), taking into account the age and gender of the patient. | FibroTest Score Measurement                     |
| C122120  | Fluoride                            | Fluoride   | A measurement of the fluoride in a biological specimen.   | Fluoride Measurement                            |
| C74783   | Follicle Stimulating Hormone        | Follicle Stimulating Hormone   | A measurement of the follicle stimulating hormone (FSH) in a biological specimen.   | Follicle Stimulating Hormone Measurement        |
| C114219  | Fractional Calcium Excretion        | Fractional Calcium Excretion   | A measurement of the fractional excretion of calcium that is computed based upon the concentrations of calcium and creatinine in both blood and urine.  | Fractional Excretion of Calcium                 |
| C114220  | Fractional Chloride Excretion       | Fractional Chloride Excretion  | A measurement of the fractional excretion of chloride that is computed based upon the concentrations of chloride and creatinine in both blood and urine.  | Fractional Excretion of Chloride                |
| C122119  | Fractional Magnesium Excretion      | Fractional Magnesium Excretion   | A measurement of the fractional excretion of magnesium that is computed based upon the concentrations of magnesium and creatinine in both blood and urine.  | Fractional Excretion of Magnesium               |
| C114221  | Fractional Phosphorus Excretion     | Fractional Inorganic Phosphate Excretion;Fractional Phosphorus Excretion | A measurement of the fractional excretion of phosphorus that is computed based upon the concentrations of phosphorus and creatinine in both blood and urine.  | Fractional Excretion of Phosphate               |
| C114222  | Fractional Potassium Excretion      | Fractional Potassium Excretion   | A measurement of the fractional excretion of potassium that is computed based upon the concentrations of potassium and creatinine in both blood and urine.  | Fractional Excretion of Potassium               |

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|----------|--|---|---|--|
| C107435  | Fractional Sodium Excretion            | Fractional Sodium Excretion   | A measurement of the fractional excretion of sodium that is computed based upon the concentrations of sodium and creatinine in both blood and urine.  | Fractional Excretion of Sodium   |
| C124341  | Free Androgen Index                    | Free Androgen Index   | A measurement of the androgen status in a biological specimen. This is calculated by a mathematical formula that takes into account the total testosterone level, sex hormone binding globulin, and a constant. | Free Androgen Index  |
| C80200   | Free Fatty Acid                        | Free Fatty Acid;Non-Esterified Fatty Acid, Free                     | A measurement of the total non-esterified fatty acids in a biological specimen.   | Non-esterified Fatty Acids Measurement   |
| C80206   | Free Fatty Acid, Saturated             | Free Fatty Acid, Saturated;Non-esterified Fatty Acid, Saturated     | A measurement of the saturated non-esterified fatty acids in a biological specimen.   | Saturated Non-esterified Fatty Acids Measurement                               |
| C80209   | Free Fatty Acid, Unsaturated           | Free Fatty Acid, Unsaturated;Non-esterified Fatty Acid, Unsaturated | A measurement of the unsaturated non-esterified fatty acids in a biological specimen.   | Unsaturated Non-esterified Fatty Acids Measurement                             |
| C100448  | Free Glycerol                          | Free Glycerin;Free Glycerol   | A measurement of the amount of unbound glycerol in a biological specimen.   | Free Glycerol Measurement  |
| C74678   | Fructosamine                           | Fructosamine;Glycated Serum Protein                                 | A measurement of the fructosamine in a biological specimen.   | Fructosamine Measurement   |
| C124342  | Galactose Elimination Capacity         | Galactose Elimination Capacity                                      | A liver function test that measures galactose elimination capacity in a biological specimen.  | Galactose Elimination Capacity   |
| C80182   | Galanin                                | Galanin   | A measurement of the galanin in a biological specimen.  | Galanin Measurement  |
| C92257   | Gamma Globulin                         | Gamma Globulin  | A measurement of the proteins contributing to the gamma fraction in a biological specimen.  | Gamma Globulin Measurement   |
| C92295   | Gamma Globulin/Total Protein           | Gamma Globulin/Total Protein  | A relative measurement (ratio or percentage) of gamma fraction proteins to total proteins in a biological specimen.   | Gamma Globulin to Total Protein Ratio Measurement                              |
| C64847   | Gamma Glutamyl Transferase             | Gamma Glutamyl Transferase  | A measurement of the gamma glutamyl transferase in a biological specimen.   | Gamma Glutamyl Transpeptidase Measurement                                      |
| C79446   | Gamma Glutamyl Transferase/Creatinine  | Gamma Glutamyl Transferase/Creatinine                               | A relative measurement (ratio or percentage) of the gamma glutamyl transferase to creatinine in a biological specimen.  | Gamma Glutamyl Transferase to Creatinine Ratio Measurement                     |
| C116211  | Gamma Tocopherol                       | Gamma Tocopherol  | A measurement of the gamma tocopherol in a biological specimen.   | Gamma Tocopherol Measurement   |
| C74858   | Gastrin                                | Gastrin   | A measurement of the gastrin hormone in a biological specimen.  | Gastrin Measurement  |
| C100450  | GFR from B-2 Microglobulin Adj for BSA | GFR from B-2 Microglobulin Adj for BSA                              | A measurement of the glomerular filtration rate (GFR) based on the clearance of beta-2 microglobulin after adjusting it for the body surface area.  | Glomerular Filtration Rate from B-2 Microglobulin Adjusted for BSA Measurement |

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|----------|---|---|---|---|
| C100449  | GFR from Beta-Trace Protein Adj for BSA | GFR from Beta-Trace Protein Adj for BSA   | A measurement of the glomerular filtration rate (GFR) based on the clearance of beta-trace protein after adjusting it for the body surface area.      | Glomerular Filtration Rate from Beta-Trace Protein Adjusted for BSA Measurement |
| C98735   | GFR from Creatinine Adjusted for BSA    | GFR from Creatinine Adjusted for BSA  | An estimation of the glomerular filtration rate adjusted for body size based on creatinine.   | Glomerular Filtration Rate from Creatinine Adjusted for BSA                     |
| C98736   | GFR from Cystatin C Adjusted for BSA    | GFR from Cystatin C Adjusted for BSA  | An estimation of the glomerular filtration rate adjusted for body size based on cystatin C.   | Glomerular Filtration Rate from Cystatin C Adjusted for BSA                     |
| C127614  | GFR from Cystatin C and Creat Adj BSA   | GFR from Cystatin C and Creat Adj BSA   | An estimation of the glomerular filtration rate adjusted for body surface area based on cystatin C and creatinine.                                    | Glomerular Filtration Rate from Cystatin C and Creatinine Adjusted for BSA      |
| C112286  | Ghrelin                                 | Ghrelin;Growth Hormone Secretagogue Receptor Ligand;Motilin-related Peptide;Total Ghrelin | A measurement of total ghrelin in a biological specimen.  | Ghrelin Measurement   |
| C96651   | Giant Neutrophils                       | Giant Neutrophils   | A measurement of the giant neutrophils in a biological specimen.  | Giant Neutrophil Count  |
| C74728   | Giant Platelets                         | Giant Platelets   | A measurement of the giant (larger than 7um in diameter) platelets in a biological specimen.  | Giant Platelet Count  |
| C74738   | Globulin                                | Globulin  | A measurement of the globulin protein in a biological specimen.   | Globulin Protein Measurement  |
| C90505   | Glomerular Filtration Rate              | Glomerular Filtration Rate  | A kidney function test that measures the fluid volume that is filtered from the kidney glomeruli to the Bowman's capsule per unit of time.            | Glomerular Filtration Rate  |
| C98734   | Glomerular Filtration Rate Adj for BSA  | Glomerular Filtration Rate Adj for BSA  | A measurement of the glomerular filtration rate adjusted for body size.   | Glomerular Filtration Rate Adjusted for BSA                                     |
| C110935  | Glomerular Filtration Rate, Estimated   | Glomerular Filtration Rate, Estimated   | A kidney function test that estimates the fluid volume that is filtered from the kidney glomeruli to the Bowman's capsule per unit of time.           | Estimated Glomerular Filtration Rate  |
| C74859   | Glucagon                                | Glucagon  | A measurement of the glucagon hormone in a biological specimen.   | Glucagon Measurement  |
| C80183   | Glucagon-Like Peptide-1                 | Glucagon-Like Peptide-1;Total Glucagon-Like Peptide-1                                     | A measurement of the total glucagon-like peptide-1 in a biological specimen.  | Glucagon-like Peptide-1 Measurement   |
| C80164   | Glucagon-Like Peptide-1, Active Form    | Glucagon-Like Peptide-1, Active Form  | A measurement of the active form of glucagon-like peptide-1 in a biological specimen.   | Active Glucagon-like Peptide-1 Measurement                                      |
| C105585  | Glucose                                 | Glucose   | A measurement of the glucose in a biological specimen.  | Glucose Measurement   |
| C96652   | Glucose Clearance                       | Glucose Clearance   | A measurement of the volume of serum or plasma that would be cleared of glucose by excretion of urine for a specified unit of time (e.g. one minute). | Glucose Clearance Measurement   |



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|----------|--|---|--|---|
| C11783 4 | Glucose Excretion Rate                 | Glucose Excretion Rate  | A measurement of the amount of glucose being excreted in urine over a defined amount of time (e.g. one hour).                | Glucose Urine Excretion Rate                                    |
| C80184   | Glucose-6-Phosphate Dehydrogenase      | Glucose-6-Phosphate Dehydrogenase   | A measurement of the glucose-6-phosphate dehydrogenase in a biological specimen.   | Glucose-6-Phosphate Dehydrogenase Measurement                   |
| C10653 7 | Glucose-dep Insulinotropic Pep, Intact | Glucose-dep Insulinotropic Pep, Intact;Intact GIP;Intact Gastric Inhibitory Polypeptide;Intact Glucose-dependent Insulinotropic Peptide | A measurement of the intact (containing amino acids 1-42) glucose-dependent insulinotropic peptide in a biological specimen. | Intact Glucose-dependent Insulinotropic Peptide Measurement     |
| C79447   | Glucose/Creatinine                     | Glucose/Creatinine  | A relative measurement (ratio or percentage) of the glucose to creatinine in a biological specimen.                          | Glucose to Creatinine Ratio Measurement                         |
| C80165   | Glucuronidase, Alpha                   | Glucuronidase, Alpha  | A measurement of the alpha glucuronidase in a biological specimen.   | Alpha Glucuronidase Measurement                                 |
| C80170   | Glucuronidase, Beta                    | Glucuronidase, Beta   | A measurement of the beta glucuronidase in a biological specimen.  | Beta Glucuronidase Measurement                                  |
| C74739   | Glutamate                              | Glutamate;Glutamic Acid   | A measurement of the glutamate in a biological specimen.   | Glutamate Measurement   |
| C79448   | Glutamate Dehydrogenase                | Glutamate Dehydrogenase   | A measurement of the glutamate dehydrogenase in a biological specimen.   | Glutamate Dehydrogenase Measurement                             |
| C82015   | Glutamic Acid Decarboxylase 1          | Glutamic Acid Decarboxylase 1;Glutamic Acid Decarboxylase 67  | A measurement of the glutamic acid decarboxylase 1 in a biological specimen.   | Glutamic Acid Decarboxylase 1 Measurement                       |
| C82016   | Glutamic Acid Decarboxylase 2          | Glutamic Acid Decarboxylase 2;Glutamic Acid Decarboxylase 65  | A measurement of the glutamic acid decarboxylase 2 in a biological specimen.   | Glutamic Acid Decarboxylase 2 Measurement                       |
| C82017   | Glutamic Acid Decarboxylase 2 Antibody | Glutamic Acid Decarboxylase 2 Antibody;Glutamic Acid Decarboxylase 65 Antibody  | A measurement of the glutamic acid decarboxylase 2 antibody in a biological specimen.  | Glutamic Acid Decarboxylase 2 Antibody Measurement              |
| C96653   | Glutamic Acid Decarboxylase Antibody   | GAD Antibody;Glutamic Acid Decarboxylase Antibody   | A measurement of the glutamic acid decarboxylase antibody in a biological specimen.  | Glutamic Acid Decarboxylase Antibody Measurement                |
| C12212 1 | Glutamine                              | Glutamine   | A measurement of the glutamine in a biological specimen.   | Glutamine Measurement   |
| C80166   | Glutathione S-Transferase, Alpha/Creat | Glutathione S-Transferase, Alpha/Creat  | A relative measurement (ratio or percentage) of the alpha glutathione-S-transferase to creatinine in a biological specimen.  | Alpha Glutathione-S-Transferase to Creatinine Ratio Measurement |
| C80203   | Glutathione S-Transferase, Pi          | Glutathione S-Transferase, Pi   | A measurement of the Pi glutathione-s-transferase in a biological specimen.  | Pi Glutathione S-Transferase Measurement                        |
| C80207   | Glutathione S-Transferase, Theta       | Glutathione S-Transferase, Theta  | A measurement of the theta glutathione-s-transferase in a biological specimen.   | Theta Glutathione S-Transferase Measurement                     |
| C80185   | Glutathione S-Transferase, Total       | Glutathione S-Transferase, Total  | A measurement of the total glutathione-s-transferase in a biological specimen.   | Glutathione-S-Transferase Measurement                           |
| C79435   | Glutathione-S-Transferase/Creatinine   | Glutathione-S-Transferase/Creatinine  | A relative measurement (ratio or percentage) of the glutathione S-transferase to creatinine in a biological specimen.        | Glutathione-S-Transferase to Creatinine Ratio Measurement       |

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| NCI Code    | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                    |
|-------------|--|--|--|---|
| C12209<br>2 | Glycated Albumin                         | Glycated Albumin   | A measurement of the glycated albumin present in a biological specimen.  | Glycated Albumin Measurement                          |
| C12212<br>2 | Glycine                                  | Glycine  | A measurement of the glycine in a biological specimen.   | Glycine Measurement                                   |
| C80186      | Gold                                     | Gold   | A measurement of the gold in a biological specimen.  | Gold Measurement                                      |
| C74860      | Gonadotropin Releasing Hormone           | Gonadotropin Releasing Hormone;Luteinising Hormone Releasing Hormone | A measurement of the gonadotropin releasing hormone in a biological specimen.  | Gonadotropin Releasing Hormone Measurement            |
| C74768      | Granular Casts                           | Granular Casts   | A measurement of the granular (coarse and fine) casts present in a biological specimen.  | Granular Cast Measurement                             |
| C74765      | Granular Coarse Casts                    | Granular Coarse Casts  | A measurement of the coarse granular casts present in a biological specimen.   | Coarse Granular Cast Measurement                      |
| C74769      | Granular Fine Casts                      | Granular Fine Casts  | A measurement of the fine granular casts present in a biological specimen.   | Granular Fine Cast Measurement                        |
| C82018      | Granulocyte Colony Stimulating Factor    | Granulocyte Colony Stimulating Factor                                | A measurement of the granulocyte colony stimulating factor in a biological specimen.   | Granulocyte Colony Stimulating Factor Measurement     |
| C82019      | Granulocyte Macrophage Colony Stm Factor | Granulocyte Macrophage Colony Stm Factor                             | A measurement of the granulocyte macrophage colony stimulating factor in a biological specimen.  | Granulocyte Macrophage Colony Stm Factor Measurement  |
| C96654      | Granulocytes                             | Granulocytes   | A measurement of the granulocytes in a biological specimen.  | Granulocyte Count                                     |
| C12761<br>5 | Granulocytes Band Form/Total Cells       | Granulocytes Band Form/Total Cells                                   | A relative measurement (ratio or percentage) of the banded granulocytes to total cells in a biological specimen.                               | Band Form Granulocyte to Total Cell Ratio Measurement |
| C12761<br>6 | Granulocytes Segmented/Total Cells       | Granulocytes Segmented/Total Cells                                   | A relative measurement (ratio or percentage) of the segmented granulocytes to total cells in a biological specimen.                            | Segmented Granulocyte to Total Cell Ratio Measurement |
| C98866      | Granulocytes/Total Cells                 | Granulocytes/Total Cells   | A relative measurement (ratio or percentage) of the granulocytes to total cells in a biological specimen (for example a bone marrow specimen). | Granulocyte to Total Cell Ratio Measurement           |
| C74861      | Growth Hormone Inhibiting Hormone        | Growth Hormone Inhibiting Hormone;Somatostatin                       | A measurement of the growth hormone inhibiting hormone in a biological specimen.   | Growth Hormone Inhibiting Hormone Measurement         |
| C74862      | Growth Hormone Releasing Hormone         | Growth Hormone Releasing Hormone;Somatocrinin                        | A measurement of the growth hormone releasing hormone in a biological specimen.  | Growth Hormone Releasing Hormone Measurement          |
| C74604      | Hairy Cells                              | Hairy Cells  | A measurement of the hairy cells (b-cell lymphocytes with hairy projections from the cytoplasm) in a biological specimen.                      | Hairy Cell Count                                      |

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| NCI Code    | CDISC Submission Value                   | CDISC Synonym                            | CDISC Definition   | NCI Preferred Term   |
|-------------|--|--|--|--|
| C74640      | Hairy Cells/Lymphocytes                  | Hairy Cells/Lymphocytes                  | A relative measurement (ratio or percentage) of the hairy cells (b-cell lymphocytes with hairy projections from the cytoplasm) to all lymphocytes in a biological specimen . | Hairy Cell to Lymphocyte Ratio Measurement                           |
| C74740      | Haptoglobin                              | Haptoglobin                              | A measurement of the haptoglobin protein in a biological specimen.   | Haptoglobin Protein Measurement                                      |
| C92541      | HAV Viral Load                           | HAV Viral Load                           | A measurement of the hepatitis A viral load in a biological specimen.  | Hepatitis A Viral Load Measurement                                   |
| C92542      | HBV Viral Load                           | HBV Viral Load                           | A measurement of the hepatitis B viral load in a biological specimen.  | Hepatitis B Viral Load Measurement                                   |
| C10227<br>4 | HCT Corrected Reticulocytes/Erythrocytes | HCT Corrected Reticulocytes/Erythrocytes | A relative measurement (ratio or percentage) of the hematocrit corrected reticulocytes to erythrocytes in a biological specimen.   | Hematocrit Corrected Reticulocytes to Erythrocytes Ratio Measurement |
| C92543      | HCV Viral Load                           | HCV RNA;HCV Viral Load;Hepatitis C RNA   | A measurement of the hepatitis C viral load in a biological specimen.  | Hepatitis C Viral Load Measurement                                   |
| C10558<br>7 | HDL Cholesterol                          | HDL Cholesterol                          | A measurement of the high density lipoprotein cholesterol in a biological specimen.  | High Density Lipoprotein Cholesterol Measurement                     |
| C10042<br>5 | HDL Cholesterol/LDL Cholesterol          | HDL Cholesterol/LDL Cholesterol          | A relative measurement (ratio or percentage) of the amount of HDL cholesterol compared to LDL cholesterol in a biological specimen.  | HDL Cholesterol to LDL Cholesterol Ratio Measurement                 |
| C10340<br>2 | HDL Particle Size                        | HDL Particle Size                        | A measurement of the average particle size of high-density lipoprotein in a biological specimen.   | HDL Particle Size Measurement  |
| C80187      | HDL-Cholesterol Subclass 2               | HDL-Cholesterol Subclass 2               | A measurement of the high-density lipoprotein (HDL) cholesterol subclass 2 in a biological specimen.   | HDL-Cholesterol Subclass 2 Measurement                               |
| C80188      | HDL-Cholesterol Subclass 3               | HDL-Cholesterol Subclass 3               | A measurement of the high-density lipoprotein (HDL) cholesterol subclass 3 in a biological specimen.   | HDL-Cholesterol Subclass 3 Measurement                               |
| C74709      | Heinz Bodies                             | Heinz Bodies;Heinz-Ehrlich Bodies        | A measurement of the Heinz bodies (small round inclusions within the body of a red blood cell) in a biological specimen.   | Heinz-Ehrlich Body Measurement                                       |
| C11120<br>6 | Heinz Bodies/Erythrocytes                | Heinz Bodies/Erythrocytes                | A relative measurement (ratio or percentage) of the erythrocytes that contain heinz bodies to total erythrocytes in a biological specimen.                                   | Heinz Body to Erythrocyte Ratio Measurement                          |
| C10340<br>3 | Helicobacter pylori IgG Antibody         | Helicobacter pylori IgG Antibody         | A measurement of the Helicobacter pylori IgG antibody in a biological specimen.  | Helicobacter pylori IgG Antibody Measurement                         |
| C74658      | Helmet Cells                             | Helmet Cells                             | A measurement of the Helmet cells (specialized Keratocytes with two projections on either end that are tapered and hornlike) in a biological specimen.                       | Helmet Cell Count  |

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| NCI Code | CDISC Submission Value             | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                             |
|----------|------------------------------------|---|---|--|
| C64796   | Hematocrit                         | EVF;Erythrocyte Volume Fraction;Hematocrit;PCV;Packed Cell Volume | The percentage of a whole blood specimen that is composed of red blood cells (erythrocytes).                              | Hematocrit Measurement                         |
| C102273  | Hematocrit Corrected Reticulocytes | Hematocrit Corrected Reticulocytes                                | A measurement of the hematocrit corrected reticulocytes in a biological specimen.   | Hematocrit Corrected Reticulocyte Count        |
| C64848   | Hemoglobin                         | FHGB;Free Hemoglobin;Hemoglobin                                   | A measurement of the non-cellular hemoglobin in a biological specimen.  | Hemoglobin Measurement                         |
| C92258   | Hemoglobin A                       | Hemoglobin A  | A measurement of the hemoglobin A in a biological specimen.   | Hemoglobin A Measurement                       |
| C64849   | Hemoglobin A1C                     | Glycosylated Hemoglobin;Hemoglobin A1C                            | A measurement of the glycosylated hemoglobin in a biological specimen.  | Glycosylated Hemoglobin Measurement            |
| C111207  | Hemoglobin A1C/Hemoglobin          | Hemoglobin A1C/Hemoglobin   | A relative measurement (ratio or percentage) of the glycosylated hemoglobin to total hemoglobin in a biological specimen. | Hemoglobin A1C to Hemoglobin Ratio Measurement |
| C92259   | Hemoglobin A2                      | Hemoglobin A2   | A measurement of the hemoglobin A2 in a biological specimen.  | Hemoglobin A2 Measurement                      |
| C92260   | Hemoglobin B                       | Hemoglobin B  | A measurement of the hemoglobin B in a biological specimen.   | Hemoglobin B Measurement                       |
| C92261   | Hemoglobin C                       | Hemoglobin C  | A measurement of the hemoglobin C in a biological specimen.   | Hemoglobin C Measurement                       |
| C112288  | Hemoglobin C Crystals              | Hemoglobin C Crystals   | A measurement of hemoglobin C crystals in a biological specimen.  | Hemoglobin C Crystals Measurement              |
| C106525  | Hemoglobin Distribution Width      | Hemoglobin Distribution Width                                     | A measurement of the distribution of the hemoglobin concentration in red blood cells.                                     | Hemoglobin Distribution Width Measurement      |
| C92262   | Hemoglobin F                       | Fetal Hemoglobin;Hemoglobin F                                     | A measurement of the hemoglobin F in a biological specimen.   | Hemoglobin F Measurement                       |
| C122123  | Hemoglobin S                       | Hemoglobin S;Sickle Hemoglobin                                    | A measurement of the hemoglobin S in a biological specimen.   | Hemoglobin S Measurement                       |
| C127617  | Hemoglobin, Free                   | Hemoglobin, Free  | A measurement of the hemoglobin external to erythrocytes in a biological specimen.  | Free Hemoglobin Measurement                    |
| C111208  | Hemolytic Index                    | Hemolysis;Hemolytic Index   | A measurement of the destruction of red blood cells in a biological specimen.   | Hemolytic Index                                |
| C96659   | Hemosiderin                        | Hemosiderin   | A measurement of the hemosiderin complex in a biological specimen.  | Hemosiderin Measurement                        |
| C92534   | Hepatitis A Virus Antibody         | Hepatitis A Virus Antibody  | A measurement of the antibody reaction of a biological specimen to the Hepatitis A virus.                                 | Hepatitis A Antibody Measurement               |
| C92271   | Hepatitis A Virus IgM Antibody     | Hepatitis A Virus IgM Antibody                                    | A measurement of hepatitis A virus IgM antibody in a biological specimen.   | Hepatitis A Virus Antibody IgM Measurement     |
| C103404  | Hepatitis B DNA                    | Hepatitis B DNA   | A measurement of hepatitis B virus DNA in a biological specimen.  | Hepatitis B DNA Measurement                    |

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| NCI Code    | CDISC Submission Value              | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term                              |
|-------------|-------------------------------------|---|---|---|
| C12594<br>4 | Hepatitis B Virus Antibody          | Hepatitis B Virus Antibody                          | A measurement of an unspecified hepatitis B antibody in a biological specimen.                    | Hepatitis B Virus Antibody Measurement          |
| C96660      | Hepatitis B Virus Core Antibody     | Hepatitis B Virus Core Antibody                     | A measurement of the hepatitis B virus core antibody in a biological specimen.                    | Hepatitis B Virus Core Antibody Measurement     |
| C11928<br>0 | Hepatitis B Virus Core IgG Antibody | Hepatitis B Virus Core IgG Antibody                 | A measurement of the hepatitis B virus core IgG antibody in a biological specimen.                | Hepatitis B Virus Core IgG Antibody Measurement |
| C96661      | Hepatitis B Virus Core IgM Antibody | Hepatitis B Virus Core IgM Antibody                 | A measurement of the hepatitis B virus core IgM antibody in a biological specimen.                | Hepatitis B Virus Core IgM Antibody Measurement |
| C96662      | Hepatitis B Virus e Antibody        | Hepatitis B Virus e Antibody                        | A measurement of the hepatitis B e antibody in a biological specimen.                             | Hepatitis B Virus e Antibody Measurement        |
| C96663      | Hepatitis B Virus e Antigen         | Hepatitis B Virus e Antigen                         | A measurement of the hepatitis B e antigen in a biological specimen.                              | Hepatitis B Virus e Antigen Measurement         |
| C74711      | Hepatitis B Virus Surface Antibody  | Anti-HBs;HBsAb;Hepatitis B Virus Surface Antibody   | A measurement of the surface antibody reaction of a biological specimen to the Hepatitis B virus. | Hepatitis B Surface Antibody Measurement        |
| C64850      | Hepatitis B Virus Surface Antigen   | HBsAg;Hepatitis B Virus Surface Antigen             | A measurement of the surface antigen reaction of a biological specimen to the Hepatitis B virus.  | Hepatitis B Virus Surface Antigen Measurement   |
| C92535      | Hepatitis C Virus Antibody          | Hepatitis C Virus Antibody                          | A measurement of the antibody reaction of a biological specimen to the Hepatitis C virus.         | Hepatitis C Antibody Measurement                |
| C11619<br>6 | Hepatitis C Virus Antigen           | Hepatitis C Virus Antigen                           | A measurement of the hepatitis C virus antigen in a biological specimen.                          | Hepatitis C Virus Antigen Measurement           |
| C96664      | Hepatitis D Virus Antibody          | Hepatitis D Virus Antibody;Hepatitis Delta Antibody | A measurement of the hepatitis D virus antibody in a biological specimen.                         | Hepatitis D Virus Antibody Measurement          |
| C11928<br>1 | Hepatitis D Virus IgG Antibody      | Hepatitis D Virus IgG Antibody                      | A measurement of the hepatitis D virus IgG antibody in a biological specimen.                     | Hepatitis D Virus IgG Antibody Measurement      |
| C11928<br>2 | Hepatitis D Virus IgM Antibody      | Hepatitis D Virus IgM Antibody                      | A measurement of the hepatitis D virus IgM antibody in a biological specimen.                     | Hepatitis D Virus IgM Antibody Measurement      |
| C11928<br>3 | Hepatitis E Virus Antibody          | Hepatitis E Virus Antibody                          | A measurement of the antibody reaction of a biological specimen to the Hepatitis E virus.         | Hepatitis E Virus Antibody Measurement          |
| C10652<br>6 | Hepatitis E Virus IgG Antibody      | Hepatitis E Virus IgG Antibody                      | A measurement of IgG antibody to the hepatitis E virus in a biological specimen.                  | Hepatitis E Virus IgG Antibody Measurement      |
| C96665      | Hepatitis E Virus IgM Antibody      | Hepatitis E Virus IgM Antibody                      | A measurement of the hepatitis E virus IgM antibody in a biological specimen.                     | Hepatitis E Virus IgM Antibody Measurement      |
| C92272      | Hepatitis G RNA                     | Hepatitis G RNA                                     | A measurement of the Hepatitis G RNA in a biological specimen.                                    | Hepatitis G RNA Measurement                     |
| C11229<br>1 | HER2 Antigen                        | HER2 Antigen;HER2/NEU Antigen                       | A measurement of the HER2 antigen in a biological specimen.                                       | HER2 Antigen Measurement                        |

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| NCI Code      | CDISC Submission Value                | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C96666        | Herpes Simplex Virus 1 IgG Antibody   | HSV-1 IgG Antibody;Herpes Simplex Virus 1 IgG Antibody | A measurement of the herpes simplex virus 1 IgG antibody in a biological specimen.   | Herpes Simplex Virus 1 IgG Antibody Measurement                        |
| C98738        | Herpes Simplex Virus 1 IgM Antibody   | Herpes Simplex Virus 1 IgM Antibody                    | A measurement of the Herpes Simplex virus 1 IgM antibodies in a biological specimen.   | Herpes Simplex Virus 1 IgM Antibody Measurement                        |
| C96697        | Herpes Simplex Virus 1/2 IgG Antibody | HSV-1/2 IgG Ab;Herpes Simplex Virus 1/2 IgG Antibody   | A measurement of the herpes simplex virus 1 and 2 IgG antibody in a biological specimen.   | Herpes Simplex Virus 1/2 IgG Antibody Measurement                      |
| C96698        | Herpes Simplex Virus 1/2 IgM Antibody | HSV-1/2 IgM Ab;Herpes Simplex Virus 1/2 IgM Antibody   | A measurement of the herpes simplex virus 1 and 2 IgM antibody in a biological specimen.   | Herpes Simplex Virus 1/2 IgM Antibody Measurement                      |
| C96667        | Herpes Simplex Virus 2 IgG Antibody   | HSV-2 IgG Antibody;Herpes Simplex Virus 2 IgG Antibody | A measurement of the herpes simplex virus 2 IgG antibody in a biological specimen.   | Herpes Simplex Virus 2 IgG Antibody Measurement                        |
| C98739        | Herpes Simplex Virus 2 IgM Antibody   | Herpes Simplex Virus 2 IgM Antibody                    | A measurement of the Herpes Simplex virus 2 IgM antibodies in a biological specimen.   | Herpes Simplex Virus 2 IgM Antibody Measurement                        |
| C11229 2      | Herpes Simplex Virus 6 Antibody       | Herpes Simplex Virus 6 Antibody                        | A measurement of the herpes simplex virus 6 antibody in a biological specimen.   | Herpes Simplex Virus 6 Antibody Measurement                            |
| C81984        | Heterophile Antibodies                | Heterophile Antibodies                                 | A measurement of the heterophile antibodies in a biological specimen.  | Heterophile Antibody Measurement                                       |
| C11618 6      | Heterophils                           | Heterophils  | A measurement of heterophils (granular leukocytes) in a biological specimen from avian species.                                    | Heterophil Measurement   |
| C11618 7      | Heterophils/Leukocytes                | Heterophils/Leukocytes                                 | A relative measurement (ratio or percentage) of heterophils to leukocytes in a biological specimen from avian species.             | Heterophils to Leukocytes Ratio Measurement                            |
| C96668        | Hexokinase                            | Hexokinase   | A measurement of the hexokinase in a biological specimen.  | Hexokinase Measurement   |
| C11618 9      | High Absorption Retic/Reticulocytes   | High Absorption Retic/Reticulocytes                    | A relative measurement (ratio or percentage) of the high absorption reticulocytes to total reticulocytes in a biological specimen. | High Absorption Reticulocytes to Total Reticulocytes Ratio Measurement |
| C11618 8      | High Absorption Reticulocytes         | High Absorption Reticulocytes                          | A measurement of the high absorption reticulocytes in a biological specimen.   | High Absorption Reticulocyte Measurement                               |
| C74754        | Hippuric Acid Crystals                | Hippuric Acid Crystals                                 | A measurement of the hippuric acid crystals present in a biological specimen.  | Hippuric Acid Crystal Measurement                                      |
| C80189        | Histamine                             | Histamine  | A measurement of the histamine in a biological specimen.   | Histamine Measurement  |
| C12212 4      | Histidine                             | Histidine  | A measurement of the histidine in a biological specimen.   | Histidine Measurement  |
| C11229 3      | Histone 1 Antibody                    | Histone 1 Antibody                                     | A measurement of the total histone 1 antibodies in a biological specimen.  | Histone 1 Antibody Measurement   |
| C11229 4      | Histone 2A Antibody                   | Histone 2A Antibody                                    | A measurement of the total histone 2A antibodies in a biological specimen.   | Histone 2A Antibody Measurement  |

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|---------------|----------------------------------|---|--|--|
| NCI Code      | CDISC Submission Value           | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                           |
| C11229 5      | Histone 2B Antibody              | Histone 2B Antibody   | A measurement of the total histone 2B antibodies in a biological specimen.   | Histone 2B Antibody Measurement              |
| C11229 6      | Histone 3 Antibody               | Histone 3 Antibody  | A measurement of the total histone 3 antibodies in a biological specimen.  | Histone 3 Antibody Measurement               |
| C11229 7      | Histone 4 Antibody               | Histone 4 Antibody  | A measurement of the total histone 4 antibodies in a biological specimen.  | Histone 4 Antibody Measurement               |
| C11120 9      | Histone Antibodies               | Anti-Histone Antibodies;Histone Antibodies  | A measurement of histone antibodies in a biological specimen.  | Histone Antibody Measurement                 |
| C10652 7      | HIV Antibody                     | HIV Antibody  | A measurement of the antibody reaction of a biological specimen to the HIV virus.  | HIV Antibody Measurement                     |
| C92544        | HIV Viral Load                   | HIV Viral Load  | A measurement of the HIV viral load in a biological specimen.  | HIV Viral Load Measurement                   |
| C74713        | HIV-1 Antibody                   | HIV-1 Antibody  | A measurement of the antibody reaction of a biological specimen to the HIV-1 virus.  | HIV-1 Antibody Measurement                   |
| C92263        | HIV-1 Group M and O Nucleic Acid | HIV-1 Group M and O Nucleic Acid  | A measurement of the HIV-1 group M and O nucleic acids in a biological specimen.   | HIV-1 Group M and O Nucleic Acid Measurement |
| C92264        | HIV-1 Group O Antibody           | HIV-1 Group O Antibody  | A measurement of the HIV-1 group O antibody in a biological specimen.  | HIV-1 Group O Antibody Measurement           |
| C92265        | HIV-1 p24 Antigen                | HIV-1 p24 Antigen   | A measurement of the HIV-1 p24 antigen in a biological specimen.   | HIV-1 p24 Antigen Measurement                |
| C74714        | HIV-1/2 Antibody                 | HIV-1/2 Antibody  | A measurement of the antibody reaction of a biological specimen to either the HIV-1 or HIV-2 virus.  | HIV-1 HIV-2 Antibody Measurement             |
| C74715        | HIV-2 Antibody                   | HIV-2 Antibody  | A measurement of the antibody reaction of a biological specimen to the HIV-2 virus.  | HIV-2 Antibody Measurement                   |
| C92266        | HIV-2 Nucleic Acid               | HIV-2 Nucleic Acid  | A measurement of the HIV-2 nucleic acids in a biological specimen.   | HIV-2 Nucleic Acid Measurement               |
| C10046 0      | HLA-B27 Antigen                  | HLA-B27 Antigen;Human Leukocyte Antigen B27                                       | A measurement of the human leukocyte antigen B27 (HLA-B27) in a biological specimen.   | HLA-B27 Antigen Measurement                  |
| C74741        | Homocysteine                     | Homocysteine  | A measurement of the homocysteine amino acid in a biological specimen.   | Homocysteine Acid Measurement                |
| C74863        | Homovanillic Acid                | Homovanillic Acid   | A measurement of the homovanillic acid metabolite in a biological specimen.  | Homovanillic Acid Measurement                |
| C74704        | Howell-Jolly Bodies              | Howell-Jolly Bodies   | A measurement of the Howell-Jolly bodies (spherical, blue-black condensed DNA inclusions within the body of a red blood cell that appear under Wright-stain) in a biological specimen. | Howell-Jolly Body Measurement                |
| C12212 5      | HTLV-1/2 Antibody                | HTLV-1/2 Antibody;HTLV-I/II Antibody;Human T-cell Lymphotropic Virus 1/2 Antibody | A measurement of the antibody reaction of a biological specimen to either the HTLV-1 or HTLV-2 virus.  | HTLV-I HTLV-II Antibody Measurement          |

| C67154 LBTEST |  |   |  |  |
|---------------|--|---|--|--|
| NCI Code      | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
| C103405       | Human Albumin Antibody                   | Human Albumin Antibody                                  | A measurement of the human albumin antibody in a biological specimen.                            | Human Albumin Antibody Measurement                   |
| C103406       | Human Anti-Mouse Antibody                | HAMA;Human Anti-Mouse Antibody                          | A measurement of the human anti-mouse antibody in a biological specimen.                         | Human Anti-Mouse Antibody Measurement                |
| C98740        | Human Anti-Sheep IgE Antibody            | Human Anti-Sheep IgE Antibody                           | A measurement of the human anti-sheep IgE antibodies in a biological specimen.                   | Human Anti-Sheep IgE Antibody Measurement            |
| C98741        | Human Anti-Sheep IgG Antibody            | Human Anti-Sheep IgG Antibody                           | A measurement of the human anti-sheep IgG antibodies in a biological specimen.                   | Human Anti-Sheep IgG Antibody Measurement            |
| C98742        | Human Anti-Sheep IgM Antibody            | Human Anti-Sheep IgM Antibody                           | A measurement of the human anti-sheep IgM antibodies in a biological specimen.                   | Human Anti-Sheep IgM Antibody Measurement            |
| C112312       | Human Epidermal Growth Factor Receptor 2 | ERBB2;HER2/NEU;Human Epidermal Growth Factor Receptor 2 | A measurement of HER2 protein in a biological specimen.  | Human Epidermal Growth Factor Receptor 2 Measurement |
| C127618       | Human Papillomavirus 11 Antibody         | Human Papillomavirus 11 Antibody                        | A measurement of the human papillomavirus 11 antibody in a biological specimen.                  | Human Papillomavirus 11 Antibody Measurement         |
| C127619       | Human Papillomavirus 16 Antibody         | Human Papillomavirus 16 Antibody                        | A measurement of the human papillomavirus 16 antibody in a biological specimen.                  | Human Papillomavirus 16 Antibody Measurement         |
| C127620       | Human Papillomavirus 18 Antibody         | Human Papillomavirus 18 Antibody                        | A measurement of the human papillomavirus 18 antibody in a biological specimen.                  | Human Papillomavirus 18 Antibody Measurement         |
| C127621       | Human Papillomavirus 6 Antibody          | Human Papillomavirus 6 Antibody                         | A measurement of the human papillomavirus 6 antibody in a biological specimen.                   | Human Papillomavirus 6 Antibody Measurement          |
| C74770        | Hyaline Casts                            | Hyaline Casts   | A measurement of the hyaline casts present in a biological specimen.                             | Hyaline Cast Measurement                             |
| C112319       | Hyaluronic Acid                          | Hyaluronic Acid   | A measurement of hyaluronic acid in a biological specimen.                                       | Hyaluronic Acid Measurement                          |
| C74879        | Hydrocodone                              | Hydrocodone   | A measurement of the hydrocodone present in a biological specimen.                               | Hydrocodone Measurement                              |
| C102275       | Hydrogen                                 | Hydrogen  | A measurement of the hydrogen in a biological specimen.  | Hydrogen Measurement                                 |
| C74880        | Hydromorphone                            | Hydromorphone   | A measurement of the hydromorphone present in a biological specimen.                             | Hydromorphone Measurement                            |
| C80190        | Hydroxyproline                           | Hydroxyproline  | A measurement of the total hydroxyproline in a biological specimen.                              | Hydroxyproline Measurement                           |
| C96669        | Hyperchromia                             | Hyperchromia  | A measurement of the prevalence of the erthrocytes with an elevated hemoglobin concentration.    | Hyperchromia Measurement                             |
| C74612        | Hypersegmented Cells                     | Hypersegmented Cells                                    | A measurement of the hypersegmented (more than five lobes) neutrophils in a biological specimen. | Hypersegmented Neutrophil Measurement                |



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| NCI Code | CDISC Submission Value           | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                       |
|----------|----------------------------------|---|--|--|
| C64802   | Hypochromia                      | Hypochromia   | An observation which indicates that the hemoglobin concentration in a red blood cell specimen has fallen below a specified level.                      | Hypochromia  |
| C116201  | Hypogranular Neutrophils         | Hypogranular Neutrophils                                  | A measurement of the hypogranular neutrophils in a biological specimen.  | Hypogranular Neutrophil Measurement                      |
| C111232  | Icteric Index                    | Icteric Index;Icterus                                     | A measurement of the yellow color of a biological specimen, due to the presence of bile pigments.  | Icteric Index  |
| C112325  | IDL Cholesterol                  | IDL Cholesterol;Intermediate Density Lipoprotein          | A measurement of the intermediate density lipoprotein in a biological specimen.  | Intermediate Density Lipoprotein Cholesterol Measurement |
| C116197  | IDL Particles                    | IDL Particles;Intermediate Density Lipoproteins Particles | A measurement of the concentration of IDL particles in a biological specimen.  | IDL Particles Measurement                                |
| C111233  | IgG IgM IgA Total                | IgG IgM IgA Total   | A measurement of the total IgG, IgM, and IgA in a biological specimen.   | IgG IgM IgA Total Measurement                            |
| C96670   | Immature Basophils               | Immature Basophils  | A measurement of the immature basophils in a biological specimen.  | Immature Basophil Count                                  |
| C96671   | Immature Basophils/Leukocytes    | Immature Basophils/Leukocytes                             | A relative measurement (ratio or percentage) of immature basophils to total leukocytes in a biological specimen.                                       | Immature Basophil to Leukocyte Ratio Measurement         |
| C96672   | Immature Cells                   | Immature Cells  | A measurement of the total immature cells in a blood specimen.   | Immature Cell Count                                      |
| C111234  | Immature Cells/Total Cells       | Immature Cells/Total Cells                                | A relative measurement (ratio or percentage) of the immature hematopoietic cells to total cells in a biological specimen.                              | Immature Cell to Total Cell Ratio Measurement            |
| C96673   | Immature Eosinophils             | Immature Eosinophils                                      | A measurement of the immature eosinophils in a biological specimen.  | Immature Eosinophil Count                                |
| C96674   | Immature Eosinophils/Leukocytes  | Immature Eosinophils/Leukocytes                           | A relative measurement (ratio or percentage) of immature eosinophils to total leukocytes in a biological specimen.                                     | Immature Eosinophil to Leukocyte Ratio Measurement       |
| C96675   | Immature Granulocytes            | Immature Granulocytes                                     | A measurement of the total immature granulocytes in a biological specimen.   | Immature Granulocyte Count                               |
| C100445  | Immature Granulocytes/Leukocytes | Immature Granulocytes/Leukocytes                          | A relative measurement (ratio or percentage) of the immature granulocytes to leukocytes in a biological specimen (for example a bone marrow specimen). | Immature Granulocytes to Leukocytes Ratio Measurement    |
| C127625  | Immature Leukocytes              | Immature Leukocytes                                       | A measurement of the immature leukocytes in a biological specimen.   | Immature Leukocyte Count                                 |
| C127626  | Immature Leukocytes/Leukocytes   | Immature Leukocytes/Leukocytes                            | A relative measurement (ratio or percentage) of the immature leukocytes to leukocytes in a biological specimen.  | Immature Leukocyte to Leukocytes Ratio Measurement       |
| C100444  | Immature Lymphocytes             | Immature Lymphocytes                                      | A measurement of the immature lymphocytes in a biological specimen.  | Immature Lymphocytes Measurement                         |

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| NCI Code    | CDISC Submission Value            | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
|-------------|-----------------------------------|---|--|--|
| C10044<br>3 | Immature Lymphocytes/Leukocytes   | Immature Lymphocytes/Leukocytes                                 | A relative measurement (ratio or percentage) of the immature lymphocytes to leukocytes in a biological specimen.     | Immature Lymphocytes to Leukocytes Ratio Measurement |
| C96676      | Immature Monocytes                | Immature Monocytes  | A measurement of the immature monocytes in a biological specimen.  | Immature Monocyte Count                              |
| C96677      | Immature Monocytes/Leukocytes     | Immature Monocytes/Leukocytes                                   | A relative measurement (ratio or percentage) of immature monocytes to total leukocytes in a biological specimen.     | Immature Monocyte to Leukocyte Ratio Measurement     |
| C96678      | Immature Neutrophils              | Immature Neutrophils  | A measurement of the total immature neutrophils in a biological specimen.  | Immature Neutrophil Count                            |
| C10044<br>2 | Immature Neutrophils/Leukocytes   | Immature Neutrophils/Leukocytes                                 | A relative measurement (ratio or percentage) of the immature neutrophils to leukocytes in a biological specimen.     | Immature Neutrophils to Leukocytes Ratio Measurement |
| C96679      | Immature Plasma Cells             | Immature Plasma Cells   | A measurement of the immature plasma cells in a biological specimen.   | Immature Plasma Cell Count                           |
| C96680      | Immature Plasma Cells/Lymphocytes | Immature Plasma Cells/Lymphocytes                               | A relative measurement (ratio or percentage) of immature plasma cells to total lymphocytes in a biological specimen. | Immature Plasma Cell to Lymphocyte Ratio Measurement |
| C10227<br>6 | Immature Reticulocyte Fraction    | Immature Reticulocyte Fraction                                  | A measurement of the immature reticulocyte fraction present in a biological specimen.                                | Immature Reticulocyte Fraction Measurement           |
| C10340<br>7 | Immunoblasts                      | Immunoblastic Lymphocytes;Immunoblasts                          | A measurement of the immunoblasts in a biological specimen.  | Immunoblast Count                                    |
| C10653<br>5 | Immunoblasts/Lymphocytes          | Immunoblasts/Lymphocytes;Lymphocytes, Immunoblastic/Lymphocytes | A relative measurement (ratio or percentage) of immunoblasts to all lymphocytes present in a sample.                 | Immunoblasts to Lymphocytes Ratio Measurement        |
| C81969      | Immunoglobulin A                  | Immunoglobulin A  | A measurement of the Immunoglobulin A in a biological specimen.  | Immunoglobulin A Measurement                         |
| C98745      | Immunoglobulin D                  | Immunoglobulin D  | A measurement of the Immunoglobulin D in a biological specimen.  | Immunoglobulin D Measurement                         |
| C81970      | Immunoglobulin E                  | Immunoglobulin E  | A measurement of the Immunoglobulin E in a biological specimen.  | Immunoglobulin E Measurement                         |
| C81971      | Immunoglobulin G                  | Immunoglobulin G  | A measurement of the Immunoglobulin G in a biological specimen.  | Immunoglobulin G Measurement                         |
| C12212<br>7 | Immunoglobulin G Subclass 1       | Immunoglobulin G Subclass 1                                     | A measurement of the immunoglobulin G subclass 1 in a biological specimen.   | Immunoglobulin G Subclass 1 Measurement              |
| C12212<br>8 | Immunoglobulin G Subclass 2       | Immunoglobulin G Subclass 2                                     | A measurement of the immunoglobulin G subclass 2 in a biological specimen.   | Immunoglobulin G Subclass 2 Measurement              |
| C12212<br>9 | Immunoglobulin G Subclass 3       | Immunoglobulin G Subclass 3                                     | A measurement of the immunoglobulin G subclass 3 in a biological specimen.   | Immunoglobulin G Subclass 3 Measurement              |
| C12213<br>0 | Immunoglobulin G Subclass 4       | Immunoglobulin G Subclass 4                                     | A measurement of the immunoglobulin G subclass 4 in a biological specimen.   | Immunoglobulin G Subclass 4 Measurement              |

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| <b>NCI Code</b> | <b>CDISC Submission Value</b>            | <b>CDISC Synonym</b>  | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                                |
|-----------------|--|---|---|--|
| C11928 5        | Immunoglobulin G/Creatinine              | Immunoglobulin G/Creatinine   | A relative measurement (ratio or percentage) of the immunoglobulin G to creatinine in a biological specimen.                  | Immunoglobulin G to Creatinine Ratio Measurement         |
| C81972          | Immunoglobulin M                         | Immunoglobulin M  | A measurement of the Immunoglobulin M in a biological specimen.   | Immunoglobulin M Measurement                             |
| C11618 4        | Inclusion Bodies                         | Inclusion Bodies  | A measurement of the inclusion bodies in a biological specimen.   | Inclusion Body Measurement                               |
| C82044          | Indican                                  | Indican   | A measurement of the indican present in a biological specimen.  | Indican Measurement                                      |
| C64483          | Indirect Bilirubin                       | Indirect Bilirubin  | A measurement of the unconjugated or non-water-soluble bilirubin in a biological specimen.                                    | Indirect Bilirubin Measurement                           |
| C92273          | Influenza A H1N1 Viral Load              | Influenza A H1N1 Viral Load   | A measurement of the Influenza A H1N1 viral load in a biological specimen.  | Influenza A H1N1 Viral Load Measurement                  |
| C10340 8        | Influenza A IgG Antibody                 | Influenza A IgG Antibody  | A measurement of the Influenza A IgG antibody in a biological specimen.   | Influenza A IgG Antibody Measurement                     |
| C92274          | Influenza A Viral Load                   | Influenza A Viral Load  | A measurement of the Influenza A viral load in a biological specimen.   | Influenza A Viral Load Measurement                       |
| C10340 9        | Influenza B IgG Antibody                 | Influenza B IgG Antibody  | A measurement of the Influenza B IgG antibody in a biological specimen.   | Influenza B IgG Antibody Measurement                     |
| C82020          | Inhibin A                                | Inhibin A   | A measurement of the inhibin A in a biological specimen.  | Inhibin A Measurement                                    |
| C96681          | Inhibin B                                | Inhibin B   | A measurement of the inhibin B in a biological specimen.  | Inhibin B Measurement                                    |
| C74788          | Insulin                                  | Insulin   | A measurement of the insulin in a biological specimen.  | Insulin Measurement                                      |
| C11928 7        | Insulin Antibody                         | Insulin Antibody  | A measurement of the antibody to therapeutic insulin in a biological specimen.  | Insulin Antibody Measurement                             |
| C11928 6        | Insulin Autoantibody                     | Insulin Autoantibody  | A measurement of the antibody to endogenous insulin in a biological specimen.   | Insulin Autoantibody Measurement                         |
| C12345 8        | Insulin Resistance                       | Insulin Resistance  | A measurement of the insulin resistance (a cell's inability to respond to insulin) in a biological specimen.                  | Insulin Resistance Measurement                           |
| C12345 9        | Insulin Sensitivity                      | Insulin Sensitivity   | A measurement of the insulin sensitivity (cells are stimulated by lower than normal insulin levels) in a biological specimen. | Insulin Sensitivity Measurement                          |
| C11232 2        | Insulin-Like Growth Factor Binding Prot3 | Insulin-Like Growth Factor Binding Prot3;Insulin-Like Growth Factor Binding Protein 3 | A measurement of the insulin-like growth factor binding protein 3 in a biological specimen.                                   | Insulin-Like Growth Factor Binding Protein 3 Measurement |
| C74864          | Insulin-like Growth Factor-1             | Insulin-like Growth Factor-1  | A measurement of the insulin-like growth factor-1 in a biological specimen.   | Insulin Like Growth Factor-1 Measurement                 |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym                                   | CDISC Definition  | NCI Preferred Term                                   |
|----------|--|---|---|--|
| C74865   | Insulin-like Growth Factor-2             | Insulin-like Growth Factor-2                    | A measurement of the insulin-like growth factor-2 in a biological specimen.             | Insulin Like Growth Factor-2 Measurement             |
| C119284  | Insulinoma-Associated Protein 2 Antibody | Insulinoma-Associated Protein 2 Antibody        | A measurement of the insulinoma-associated protein 2 antibody in a biological specimen. | Insulinoma-Associated Protein 2 Antibody Measurement |
| C124344  | Intercellular Adhesion Molecule          | Intercellular Adhesion Molecule                 | A measurement of the total intercellular adhesion molecule in a biological specimen.    | Intercellular Adhesion Molecule Measurement          |
| C124345  | Intercellular Adhesion Molecule 1        | CD54;Intercellular Adhesion Molecule 1          | A measurement of the intercellular adhesion molecule 1 in a biological specimen.        | Intercellular Adhesion Molecule 1 Measurement        |
| C81994   | Interferon Alpha                         | Interferon Alpha                                | A measurement of the interferon alpha in a biological specimen.                         | Interferon Alpha Measurement                         |
| C81995   | Interferon Beta                          | Interferon Beta                                 | A measurement of the interferon beta in a biological specimen.                          | Interferon Beta Measurement                          |
| C81996   | Interferon Gamma                         | Interferon Gamma                                | A measurement of the interferon gamma in a biological specimen.                         | Interferon Gamma Measurement                         |
| C74805   | Interleukin 1                            | Interleukin 1                                   | A measurement of the interleukin 1 in a biological specimen.                            | Interleukin 1 Measurement                            |
| C122131  | Interleukin 1 Alpha                      | Interleukin 1 Alpha                             | A measurement of interleukin 1 alpha in a biological specimen.                          | Interleukin 1 Alpha Measurement                      |
| C112323  | Interleukin 1 Beta                       | IL-1B;IL1Beta;Interleukin 1 Beta;Interleukin 1B | A measurement of interleukin 1 beta in a biological specimen.                           | Interleukin 1 Beta Measurement                       |
| C112324  | Interleukin 1 Receptor Antagonist        | IL-1RA;Interleukin 1 Receptor Antagonist        | A measurement of the interleukin 1 receptor antagonist in a biological specimen.        | Interleukin 1 Receptor Antagonist Measurement        |
| C74806   | Interleukin 10                           | Interleukin 10                                  | A measurement of the interleukin 10 in a biological specimen.                           | Interleukin 10 Measurement                           |
| C74807   | Interleukin 11                           | Interleukin 11                                  | A measurement of the interleukin 11 in a biological specimen.                           | Interleukin 11 Measurement                           |
| C74808   | Interleukin 12                           | Interleukin 12;Interleukin 12 p70               | A measurement of the interleukin 12 in a biological specimen.                           | Interleukin 12 Measurement                           |
| C127623  | Interleukin 12 Beta                      | Interleukin 12 Beta;Interleukin 12 p40          | A measurement of interleukin 12 beta in a biological specimen.                          | Interleukin 12 Beta Measurement                      |
| C74809   | Interleukin 13                           | Interleukin 13                                  | A measurement of the interleukin 13 in a biological specimen.                           | Interleukin 13 Measurement                           |
| C74810   | Interleukin 14                           | Interleukin 14                                  | A measurement of the interleukin 14 in a biological specimen.                           | Interleukin 14 Measurement                           |
| C74811   | Interleukin 15                           | Interleukin 15                                  | A measurement of the interleukin 15 in a biological specimen.                           | Interleukin 15 Measurement                           |
| C74812   | Interleukin 16                           | Interleukin 16                                  | A measurement of the interleukin 16 in a biological specimen.                           | Interleukin 16 Measurement                           |
| C74813   | Interleukin 17                           | Interleukin 17                                  | A measurement of the interleukin 17 in a biological specimen.                           | Interleukin 17 Measurement                           |

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| <b>NCI Code</b> | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b> | <b>CDISC Definition</b>                                       | <b>NCI Preferred Term</b>  |
|-----------------|-------------------------------|----------------------|---|----------------------------|
| C74814          | Interleukin 18                | Interleukin 18       | A measurement of the interleukin 18 in a biological specimen. | Interleukin 18 Measurement |
| C74815          | Interleukin 19                | Interleukin 19       | A measurement of the interleukin 19 in a biological specimen. | Interleukin 19 Measurement |
| C74816          | Interleukin 2                 | Interleukin 2        | A measurement of the interleukin 2 in a biological specimen.  | Interleukin 2 Measurement  |
| C74817          | Interleukin 20                | Interleukin 20       | A measurement of the interleukin 20 in a biological specimen. | Interleukin 20 Measurement |
| C74818          | Interleukin 21                | Interleukin 21       | A measurement of the interleukin 21 in a biological specimen. | Interleukin 21 Measurement |
| C74819          | Interleukin 22                | Interleukin 22       | A measurement of the interleukin 22 in a biological specimen. | Interleukin 22 Measurement |
| C74820          | Interleukin 23                | Interleukin 23       | A measurement of the interleukin 23 in a biological specimen. | Interleukin 23 Measurement |
| C74821          | Interleukin 24                | Interleukin 24       | A measurement of the interleukin 24 in a biological specimen. | Interleukin 24 Measurement |
| C74822          | Interleukin 25                | Interleukin 25       | A measurement of the interleukin 25 in a biological specimen. | Interleukin 25 Measurement |
| C74823          | Interleukin 26                | Interleukin 26       | A measurement of the interleukin 26 in a biological specimen. | Interleukin 26 Measurement |
| C74824          | Interleukin 27                | Interleukin 27       | A measurement of the interleukin 27 in a biological specimen. | Interleukin 27 Measurement |
| C74825          | Interleukin 28                | Interleukin 28       | A measurement of the interleukin 28 in a biological specimen. | Interleukin 28 Measurement |
| C74826          | Interleukin 29                | Interleukin 29       | A measurement of the interleukin 29 in a biological specimen. | Interleukin 29 Measurement |
| C74827          | Interleukin 3                 | Interleukin 3        | A measurement of the interleukin 3 in a biological specimen.  | Interleukin 3 Measurement  |
| C74828          | Interleukin 30                | Interleukin 30       | A measurement of the interleukin 30 in a biological specimen. | Interleukin 30 Measurement |
| C74829          | Interleukin 31                | Interleukin 31       | A measurement of the interleukin 31 in a biological specimen. | Interleukin 31 Measurement |
| C74830          | Interleukin 32                | Interleukin 32       | A measurement of the interleukin 32 in a biological specimen. | Interleukin 32 Measurement |
| C74831          | Interleukin 33                | Interleukin 33       | A measurement of the interleukin 33 in a biological specimen. | Interleukin 33 Measurement |
| C74832          | Interleukin 4                 | Interleukin 4        | A measurement of the interleukin 4 in a biological specimen.  | Interleukin 4 Measurement  |
| C74833          | Interleukin 5                 | Interleukin 5        | A measurement of the interleukin 5 in a biological specimen.  | Interleukin 5 Measurement  |
| C74834          | Interleukin 6                 | Interleukin 6        | A measurement of the interleukin 6 in a biological specimen.  | Interleukin 6 Measurement  |

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| <b>NCI Code</b> | <b>CDISC Submission Value</b>            | <b>CDISC Synonym</b>                     | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                                |
|-----------------|--|--|---|--|
| C74835          | Interleukin 7                            | Interleukin 7                            | A measurement of the interleukin 7 in a biological specimen.  | Interleukin 7 Measurement                                |
| C74836          | Interleukin 8                            | Interleukin 8                            | A measurement of the interleukin 8 in a biological specimen.  | Interleukin 8 Measurement                                |
| C74837          | Interleukin 9                            | Interleukin 9                            | A measurement of the interleukin 9 in a biological specimen.  | Interleukin 9 Measurement                                |
| C11926<br>6     | Intestinal Specific Alkaline Phosphatase | Intestinal Specific Alkaline Phosphatase | A measurement of the intestinal specific alkaline phosphatase isoform in a biological specimen.   | Intestinal Specific Alkaline Phosphatase Measurement     |
| C12594<br>5     | Inulin                                   | Inulin                                   | A measurement of the inulin in a biological specimen.   | Inulin Measurement                                       |
| C98748          | Inulin Clearance                         | Inulin Clearance                         | A measurement of the volume of serum or plasma that would be cleared of inulin by excretion of urine for a specified unit of time (e.g. one minute).                              | Inulin Clearance   |
| C12594<br>6     | Iohexol                                  | Iohexol                                  | A measurement of iohexol in a biological specimen.  | Iohexol Measurement                                      |
| C10043<br>9     | Iohexol Clearance                        | Iohexol Clearance                        | A measurement of the volume of serum or plasma that would be cleared of Iohexol by excretion of urine for a specified unit of time (e.g. one minute).                             | Iohexol Clearance  |
| C98749          | Iothalamate Clearance                    | Iothalamate Clearance                    | A measurement of the volume of serum or plasma that would be cleared of iothalamate by excretion of urine for a specified unit of time (e.g. one minute).                         | Iothalamate Clearance                                    |
| C98750          | Iothalamate Clearance Adjusted for BSA   | Iothalamate Clearance Adjusted for BSA   | A measurement of the volume of serum or plasma that would be cleared of iothalamate by excretion of urine for a specified unit of time (e.g. one minute), adjusted for body size. | Iothalamate Clearance Adjusted for BSA                   |
| C74679          | Iron                                     | FE;Iron                                  | A measurement of the iron in a biological specimen.   | Iron Measurement   |
| C11783<br>8     | Iron Excretion Rate                      | Iron Excretion Rate                      | A measurement of the amount of iron being excreted in urine over a defined amount of time (e.g. one hour).  | Iron Urine Excretion Rate                                |
| C12762<br>2     | Islet Amyloid Polypeptide                | Amylin;Islet Amyloid Polypeptide         | A measurement of the islet amyloid polypeptide in a biological specimen.  | Islet Amyloid Polypeptide Measurement                    |
| C81985          | Islet Cell 512 Antibody                  | Islet Cell 512 Antibody                  | A measurement of the islet cell 512 antibody in a biological specimen.  | Islet Cell 512 Antibody Measurement                      |
| C81986          | Islet Cell 512 Antigen                   | Islet Cell 512 Antigen                   | A measurement of the islet cell 512 antigen in a biological specimen.   | Islet Cell 512 Antigen Measurement                       |
| C12212<br>6     | Islet Cell Cytoplasmic IgG Antibody      | Islet Cell Cytoplasmic IgG Antibody      | A measurement of the islet cell cytoplasmic IgG antibody in a biological specimen.  | Islet Cell Cytoplasmic IgG Antibody Measurement          |
| C81987          | Islet Neogenesis Assoc Protein Antibody  | Islet Neogenesis Assoc Protein Antibody  | A measurement of the islet neogenesis associated protein antibody in a biological specimen.   | Islet Neogenesis Associated Protein Antibody Measurement |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
|----------|--|--|--|---|
| C103410  | Isoleucine                               | Isoleucine   | A measurement of the isoleucine in a biological specimen.  | Isoleucine Measurement  |
| C112326  | JC Virus Antibody                        | JC Polyomavirus Antibody;JC Virus Antibody;JCV Antibody;John Cunningham Virus Antibody | A measurement of the JC virus antibody in a biological specimen.   | JC Virus Antibody Measurement                                       |
| C100459  | Jo-1 Antibody                            | Jo-1 Antibody  | A measurement of the Jo-1 antibody in a biological specimen.   | Jo-1 Antibody Measurement   |
| C98730   | Kappa Light Chain, Free                  | Bence-Jones, Kappa;Kappa Light Chain, Free   | A measurement of the free kappa light chain in a biological specimen.  | Free Kappa Light Chain Measurement                                  |
| C98731   | Kappa Lt Chain,Free/Lambda Lt Chain,Free | Kappa Lt Chain,Free/Lambda Lt Chain,Free   | A relative measurement (ratio or percentage) of the free kappa light chain to the free lambda light chain in a biological specimen.                                | Free Kappa Light Chain to Free Lambda Light Chain Ratio Measurement |
| C111239  | Ketone Bodies                            | Ketone Bodies  | A measurement of the ketone bodies (acetone, acetoacetic acid, beta-hydroxybutyric acid, beta-ketopentanoate and beta-hydroxypentanoate) in a biological specimen. | Ketone Body Measurement   |
| C64854   | Ketones                                  | Ketones  | A measurement of the ketones in a biological specimen.   | Ketone Measurement  |
| C100433  | Kidney Injury Molecule-1                 | Hepatitis A Virus Cellular Receptor 1;KIM-1;Kidney Injury Molecule-1                   | A measurement of the kidney injury molecule-1 (Kim-1) in a biological specimen.  | Kidney Injury Molecule-1 Measurement                                |
| C127624  | Klotho                                   | Klotho   | A measurement of the total klotho protein in a biological specimen.  | Klotho Protein Measurement  |
| C96682   | Kurloff Cells                            | Kurloff Cells  | A measurement of the large secretory granule-containing immune cells in a biological specimen taken from members of certain genera of the Caviidae family.         | Kurloff Cells Measurement   |
| C64855   | Lactate Dehydrogenase                    | Lactate Dehydrogenase  | A measurement of the lactate dehydrogenase in a biological specimen.   | Lactate Dehydrogenase Measurement                                   |
| C79449   | Lactate Dehydrogenase/Creatinine         | Lactate Dehydrogenase/Creatinine   | A relative measurement (ratio or percentage) of the lactate dehydrogenase to creatinine in a biological specimen.  | Lactate Dehydrogenase to Creatinine Ratio Measurement               |
| C79450   | Lactic Acid                              | 2-hydroxypropanoic acid;Lactate;Lactic Acid  | A measurement of the lactic acid in a biological specimen.   | Lactic Acid Measurement   |
| C82021   | Lactoferrin                              | Lactoferrin;Lactotransferrin   | A measurement of the lactoferrin in a biological specimen.   | Lactoferrin Measurement   |
| C120639  | Lactoferrin Antibody                     | Lactoferrin Antibody   | A measurement of the lactoferrin antibody in a biological specimen.  | Lactoferrin Antibody Measurement                                    |
| C98732   | Lambda Light Chain, Free                 | Bence-Jones, Lambda;Lambda Light Chain, Free   | A measurement of the free lambda light chain in a biological specimen.   | Free Lambda Light Chain Measurement                                 |
| C74729   | Large Platelets                          | Large Platelets  | A measurement of the large (between 4 um and 7um in diameter) platelets in a biological specimen.  | Large Platelet Count  |

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| NCI Code    | CDISC Submission Value           | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term                                    |
|-------------|----------------------------------|----------------------------------|---|---|
| C74659      | Large Unstained Cells            | Large Unstained Cells            | A measurement of the large, peroxidase-negative cells which cannot be further characterized (i.e. as large lymphocytes, virocytes, or stem cells) present in a biological specimen. | Large Unstained Cell Count                            |
| C79467      | Large Unstained Cells/Leukocytes | Large Unstained Cells/Leukocytes | A relative measure (ratio or percentage) of the large unstained cells to leukocytes in a biological specimen.   | Large Unstained Cells to Leukocytes Ratio Measurement |
| C74887      | LDH Isoenzyme 1                  | LDH Isoenzyme 1                  | A measurement of the lactate dehydrogenase isoenzyme 1 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 1 Measurement         |
| C79451      | LDH Isoenzyme 1/LDH              | LDH Isoenzyme 1/LDH              | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 1 to total lactate dehydrogenase in a biological specimen.                                      | LDH Isoenzyme 1 to LDH Ratio Measurement              |
| C74888      | LDH Isoenzyme 2                  | LDH Isoenzyme 2                  | A measurement of the lactate dehydrogenase isoenzyme 2 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 2 Measurement         |
| C79452      | LDH Isoenzyme 2/LDH              | LDH Isoenzyme 2/LDH              | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 2 to total lactate dehydrogenase in a biological specimen.                                      | LDH Isoenzyme 2 to LDH Ratio Measurement              |
| C74889      | LDH Isoenzyme 3                  | LDH Isoenzyme 3                  | A measurement of the lactate dehydrogenase isoenzyme 3 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 3 Measurement         |
| C79453      | LDH Isoenzyme 3/LDH              | LDH Isoenzyme 3/LDH              | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 3 to total lactate dehydrogenase in a biological specimen.                                      | LDH Isoenzyme 3 to LDH Ratio Measurement              |
| C74890      | LDH Isoenzyme 4                  | LDH Isoenzyme 4                  | A measurement of the lactate dehydrogenase isoenzyme 4 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 4 Measurement         |
| C79454      | LDH Isoenzyme 4/LDH              | LDH Isoenzyme 4/LDH              | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 4 to total lactate dehydrogenase in a biological specimen.                                      | LDH Isoenzyme 4 to LDH Ratio Measurement              |
| C74891      | LDH Isoenzyme 5                  | LDH Isoenzyme 5                  | A measurement of the lactate dehydrogenase isoenzyme 5 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 5 Measurement         |
| C79455      | LDH Isoenzyme 5/LDH              | LDH Isoenzyme 5/LDH              | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 5 to total lactate dehydrogenase in a biological specimen.                                      | LDH Isoenzyme 5 to LDH Ratio Measurement              |
| C10558<br>8 | LDL Cholesterol                  | LDL Cholesterol                  | A measurement of the low density lipoprotein cholesterol in a biological specimen.  | Low Density Lipoprotein Cholesterol Measurement       |
| C12118<br>2 | LDL Cholesterol/HDL Cholesterol  | LDL Cholesterol/HDL Cholesterol  | A relative measurement (ratio or percentage) of the low density lipoprotein cholesterol to high density lipoprotein cholesterol in a biological specimen.                           | LDL Cholesterol to HDL Cholesterol Ratio Measurement  |



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| <b>NCI Code</b> | <b>CDISC Submission Value</b>           | <b>CDISC Synonym</b>                                     | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                           |
|-----------------|---|--|---|---|
| C10341<br>2     | LDL Particle Size                       | LDL Particle Size  | A measurement of the average particle size of low-density lipoprotein in a biological specimen.   | LDL Particle Size Measurement                       |
| C12063<br>6     | LDL Particles                           | LDL Particles  | A measurement of the concentration of the total LDL particles in a biological specimen.   | LDL Particles Measurement                           |
| C12063<br>7     | LDL Subtype Pattern                     | LDL Subtype Pattern                                      | A description of the low density lipoprotein particle pattern (an interpretation of the amounts of LDL particles based on size and density) in a biological specimen. | LDL Subtype Pattern                                 |
| C11620<br>2     | Left Shift Neutrophils                  | Left Shift Neutrophils                                   | An observation of the above normal incidence of immature neutrophils, including band neutrophils and neutrophil precursors in a biological specimen.                  | Left Shift Neutrophil Measurement                   |
| C92275          | Legionella pneumophila Antigen          | Legionella pneumophila Antigen                           | A measurement of the Legionella pneumophila antigen in a biological specimen.   | Legionella pneumophila Antigen Measurement          |
| C92276          | Legionella pneumophila IgG Antibody     | Legionella pneumophila IgG Antibody                      | A measurement of the Legionella pneumophila IgG antibody in a biological specimen.  | Legionella pneumophila IgG Antibody Measurement     |
| C92277          | Legionella pneumophila IgG IgM Antibody | Legionella pneumophila IgG IgM Antibody                  | A measurement of the Legionella pneumophila IgG and IgM in a biological specimen.   | Legionella pneumophila IgG IgM Antibody Measurement |
| C92278          | Legionella pneumophila IgM Antibody     | Legionella pneumophila IgM Antibody                      | A measurement of the Legionella pneumophila IgM antibody in a biological specimen.  | Legionella pneumophila IgM Antibody Measurement     |
| C74866          | Leptin                                  | Leptin   | A measurement of the leptin hormone in a biological specimen.   | Leptin Measurement                                  |
| C12213<br>3     | Leucine                                 | Leucine  | A measurement of the leucine in a biological specimen.  | Leucine Measurement                                 |
| C12213<br>2     | Leucine Aminopeptidase                  | Leucine Aminopeptidase                                   | A measurement of the total leucine aminopeptidase present in a biological specimen.   | Leucine Aminopeptidase Measurement                  |
| C74680          | Leucine Crystals                        | Leucine Crystals   | A measurement of the leucine crystals present in a biological specimen.   | Leucine Crystal Measurement                         |
| C74630          | Leukemic Blasts                         | Leukemic Blasts  | A measurement of the leukemic blasts (lymphoblasts that remain in an immature state even when outside the bone marrow) in a biological specimen.                      | Leukemic Blast Count                                |
| C74641          | Leukemic Blasts/Lymphocytes             | Leukemic Blasts/Lymphocytes                              | A relative measurement (ratio or percentage) of the leukemic blasts (immature lymphoblasts) to mature lymphocytes in a biological specimen.                           | Leukemic Blast to Lymphocyte Ratio Measurement      |
| C11619<br>5     | Leukemic Cells                          | Leukemic Cells;Residual Leukemic Cells                   | A measurement of the leukemic cells in a biological specimen.   | Leukemic Cells Measurement                          |
| C92246          | Leukocyte Cell Clumps                   | Leukocyte Cell Clumps;WBC Clumps;White Blood Cell Clumps | A measurement of white blood cell clumps in a biological specimen.  | Leukocyte Cell Clumps Measurement                   |

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| NCI Code | CDISC Submission Value                  | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                      |
|----------|---|---|---|---|
| C92297   | Leukocyte Cell Morphology               | Leukocyte Cell Morphology;WBC Morphology;White Blood Cell Morphology              | An examination or assessment of the form and structure of white blood cells.                            | Leukocyte Cell Morphology                               |
| C64856   | Leukocyte Esterase                      | Leukocyte Esterase  | A measurement of the enzyme which indicates the presence of white blood cells in a biological specimen. | Leukocyte Esterase Measurement                          |
| C51948   | Leukocytes                              | Leukocytes;White Blood Cells  | A measurement of the leukocytes in a biological specimen.   | Leukocyte Count   |
| C10341 3 | Leukotriene B4                          | Leukotriene B4  | A measurement of the leukotriene B4 in a biological specimen.   | Leukotriene B4 Measurement                              |
| C10341 4 | Leukotriene D4                          | Leukotriene D4  | A measurement of the leukotriene D4 in a biological specimen.   | Leukotriene D4 Measurement                              |
| C10341 5 | Leukotriene E4                          | Leukotriene E4  | A measurement of the leukotriene E4 in a biological specimen.   | Leukotriene E4 Measurement                              |
| C11774 8 | Lipase                                  | Lipase;Total Lipase   | A measurement of the total lipase in a biological specimen.   | Lipase Measurement                                      |
| C11784 0 | Lipase, Gastric                         | Gastric Triacylglycerol Lipase;LIPF;Lipase, Gastric                               | A measurement of the gastric triacylglycerol lipase in a biological specimen.                           | Gastric Lipase Measurement                              |
| C11784 2 | Lipase, Lysosomal Acid                  | Acid Cholesteryl Ester Hydrolase;LAL;LIPA;Lipase, Lysosomal Acid;Lysosomal Lipase | A measurement of the lysosomal acid lipase in a biological specimen.                                    | Lysosomal Acid Lipase Measurement                       |
| C11784 1 | Lipase, Pancreatic                      | Lipase, Pancreatic;PNLIP;Pancreatic Triacylglycerol Lipase                        | A measurement of the pancreatic triacylglycerol lipase in a biological specimen.                        | Pancreatic Lipase Measurement                           |
| C11124 2 | Lipemic Index                           | Lipemia;Lipemic Index   | A measurement of the abnormally high concentration of lipid in a biological specimen.                   | Lipemic Index   |
| C12594 7 | Lipoarabinomannan                       | Lipoarabinomannan   | A measurement of the lipoarabinomannan in a biological specimen.  | Lipoarabinomannan Measurement                           |
| C10653 9 | Lipocalin-2                             | Lipocalin-2   | A measurement of lipocalin-2 in a biological specimen.  | Lipocalin-2 Measurement                                 |
| C10654 0 | Lipocalin-2/Creatinine                  | Lipocalin-2/Creatinine  | A relative measurement (ratio or percentage) of the lipocalin-2 to creatinine present in a sample.      | Lipocalin-2 to Creatinine Ratio Measurement             |
| C12063 8 | Lipoprotein Associated Phospholipase A2 | Lipoprotein Associated Phospholipase A2   | A measurement of the lipoprotein associated phospholipase A2 in a biological specimen.                  | Lipoprotein Associated Phospholipase A2 Measurement     |
| C82022   | Lipoprotein-a                           | Lipoprotein-a   | A measurement of the lipoprotein-a in a biological specimen.  | Lipoprotein a Measurement                               |
| C96683   | Liver Kidney Microsomal Type 1 Antibody | LKM-1;Liver Kidney Microsomal Type 1 Antibody                                     | A measurement of the liver kidney microsomal type 1 antibody in a biological specimen.                  | Liver Kidney Microsomal Type 1 Antibody Measurement     |
| C10045 6 | Liver Kidney Microsomal Type 1 IgA Ab   | Liver Kidney Microsomal Type 1 IgA Ab   | A measurement of the liver kidney microsomal type 1 IgA antibodies in a biological specimen.            | Liver Kidney Microsomal Type 1 IgA Antibody Measurement |
| C10045 4 | Liver Kidney Microsomal Type 1 IgG Ab   | Liver Kidney Microsomal Type 1 IgG Ab   | A measurement of the liver kidney microsomal type 1 IgG antibodies in a biological specimen.            | Liver Kidney Microsomal Type 1 IgG Antibody Measurement |

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| NCI Code | CDISC Submission Value                | CDISC Synonym                              | CDISC Definition  | NCI Preferred Term  |
|----------|---------------------------------------|--|---|---|
| C100455  | Liver Kidney Microsomal Type 1 IgM Ab | Liver Kidney Microsomal Type 1 IgM Ab      | A measurement of the liver kidney microsomal type 1 IgM antibodies in a biological specimen.  | Liver Kidney Microsomal Type 1 IgM Antibody Measurement               |
| C119267  | Liver Specific Alkaline Phosphatase   | Liver Specific Alkaline Phosphatase        | A measurement of the liver specific alkaline phosphatase isoform in a biological specimen.  | Liver Specific Alkaline Phosphatase Measurement                       |
| C116191  | Low Absorption Retic/Reticulocytes    | Low Absorption Retic/Reticulocytes         | A relative measurement (ratio or percentage) of the low absorption reticulocytes to total reticulocytes in a biological specimen.             | Low Absorption Reticulocytes to Total Reticulocytes Ratio Measurement |
| C116190  | Low Absorption Reticulocytes          | Low Absorption Reticulocytes               | A measurement of the low absorption reticulocytes in a biological specimen.   | Low Absorption Reticulocyte Measurement                               |
| C102277  | Lupus Anticoagulant Sensitive APTT    | APTT-LA;Lupus Anticoagulant Sensitive APTT | A measurement of the length of time that it takes for clotting to occur when a lupus sensitive reagent is added to a plasma specimen.         | Lupus Anticoagulant Sensitive APTT Measurement                        |
| C74790   | Luteinizing Hormone                   | Luteinizing Hormone                        | A measurement of the luteinizing hormone in a biological specimen.  | Luteinizing Hormone Measurement                                       |
| C102278  | Lymphoblasts                          | Lymphoblasts                               | A measurement of the lymphoblasts (immature cells that differentiate to form lymphocytes) in a biological specimen.                           | Lymphoblast Count   |
| C105444  | Lymphoblasts/Leukocytes               | Lymphoblasts/Leukocytes                    | A relative measurement (ratio or percentage) of the lymphoblasts to leukocytes in a biological specimen.                                      | Lymphoblast to Leukocyte Ratio Measurement                            |
| C51949   | Lymphocytes                           | Lymphocytes                                | A measurement of the lymphocytes in a biological specimen.  | Lymphocyte Count  |
| C119289  | Lymphocytes Activated                 | Lymphocytes Activated                      | A measurement of the total activated lymphocytes in a biological specimen.  | Activated Lymphocytes Measurement                                     |
| C64818   | Lymphocytes Atypical                  | Lymphocytes Atypical                       | A measurement of the atypical lymphocytes in a biological specimen.   | Atypical Lymphocyte Count   |
| C64819   | Lymphocytes Atypical/Leukocytes       | Lymphocytes Atypical/Leukocytes            | A relative measurement (ratio or percentage) of the atypical lymphocytes to leukocytes in a biological specimen.                              | Atypical Lymphocyte to Leukocyte Ratio                                |
| C64820   | Lymphocytes/Leukocytes                | Lymphocytes/Leukocytes                     | A relative measurement (ratio or percentage) of the lymphocytes to leukocytes in a biological specimen.                                       | Lymphocyte to Leukocyte Ratio   |
| C98751   | Lymphocytes/Total Cells               | Lymphocytes/Total Cells                    | A relative measurement (ratio or percentage) of the lymphocytes to total cells in a biological specimen (for example a bone marrow specimen). | Lymphocyte to Total Cell Ratio Measurement                            |
| C74613   | Lymphoma Cells                        | Lymphoma Cells                             | A measurement of the malignant lymphocytes in a biological specimen.  | Lymphoma Cell Count   |
| C74910   | Lymphoma Cells/Lymphocytes            | Lymphoma Cells/Lymphocytes                 | A relative measurement (ratio or percentage) of the malignant lymphocytes to all lymphocytes in a biological specimen.                        | Lymphoma Cell to Lymphocyte Ratio Measurement                         |
| C81955   | Lymphotactin                          | Chemokine Ligand 1;Lymphotactin            | A measurement of the lymphotactin in a biological specimen.   | Lymphotactin Measurement  |

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| NCI Code | CDISC Submission Value                  | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                   |
|----------|---|--|--|--|
| C75354   | Lysergic Acid Diethylamide              | Acid;Lysergic Acid Diethylamide  | A measurement of the lysergic acid diethylamine (LSD) in a biological specimen.  | Lysergide Measurement                                |
| C122134  | Lysine                                  | Lysine   | A measurement of the lysine in a biological specimen.  | Lysine Measurement                                   |
| C120640  | Lysozyme                                | Lysozyme   | A measurement of lysozyme in a biological specimen.  | Lysozyme Measurement                                 |
| C92241   | M. tuberculosis IFN Gamma Response      | M. tuberculosis IFN Gamma Response;Mycobacterium tuberculosis IFN Gamma Response | A measurement of the amount of interferon gamma that is released when Mycobacterium tuberculosis antigen is incubated with a biological specimen, usually blood. Increased amounts of interferon gamma suggests a prior or existing M. tuberculosis infection. | Mycobacterium tuberculosis Interferon Gamma Response |
| C111243  | Macroamylase                            | Macroamylase   | A measurement of macroamylase in a biological specimen.  | Macroamylase Measurement                             |
| C64821   | Macrocytes                              | Macrocytes   | A measurement of the macrocytes in a biological specimen.  | Macrocyte Count                                      |
| C80191   | Macrophage Colony Stimulating Factor    | Macrophage Colony Stimulating Factor   | A measurement of the macrophage colony stimulating factor in a biological specimen.  | Macrophage Colony Stimulating Factor Measurement     |
| C82023   | Macrophage Inflammatory Protein 1 Alpha | Chemokine Ligand 3;Macrophage Inflammatory Protein 1 Alpha                       | A measurement of the macrophage inflammatory protein 1 alpha in a biological specimen.   | Macrophage Inflammatory Protein 1 Alpha Measurement  |
| C82024   | Macrophage Inflammatory Protein 1 Beta  | Chemokine Ligand 4;Macrophage Inflammatory Protein 1 Beta                        | A measurement of the macrophage inflammatory protein 1 beta in a biological specimen.  | Macrophage Inflammatory Protein 1 Beta Measurement   |
| C81956   | Macrophage-Derived Chemokine            | Chemokine Ligand 22;Macrophage-Derived Chemokine                                 | A measurement of the macrophage-derived chemokine in a biological specimen.  | Macrophage-Derived Chemokine Measurement             |
| C74798   | Macrophages                             | Macrophages  | A measurement of the macrophages in a biological specimen.   | Macrophage Count                                     |
| C123460  | Macrophages/Leukocytes                  | Macrophages/Leukocytes   | A relative measurement (ratio or percentage) of the macrophages to leukocytes in a biological specimen.  | Macrophage to Leukocyte Ratio                        |
| C111244  | Macrophages/Total Cells                 | Macrophages/Total Cells  | A relative measurement (ratio or percentage) of the macrophages to total cells in a biological specimen.   | Macrophage to Total Cell Ratio Measurement           |
| C64840   | Magnesium                               | Magnesium  | A measurement of the magnesium in a biological specimen.   | Magnesium Measurement                                |
| C79456   | Magnesium/Creatinine                    | Magnesium/Creatinine   | A relative measurement (ratio or percentage) of the magnesium to creatinine in a biological specimen.  | Magnesium to Creatinine Ratio Measurement            |
| C74660   | Malignant Cells, NOS                    | Malignant Cells, NOS   | A measurement of the malignant cells of all types in a biological specimen.  | Malignant Cell Count                                 |
| C74643   | Malignant Cells, NOS/Blood Cells        | Malignant Cells, NOS/Blood Cells   | A relative measurement (ratio or percentage) of the malignant cells of all types to all blood cells in a biological specimen.  | Malignant Cell to Blood Cell Ratio Measurement       |

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| NCI Code | CDISC Submission Value               | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                      |
|----------|--------------------------------------|---|---|---|
| C11124 6 | Mast Cells                           | Mast Cells;Mastocytes                                   | A measurement of the mast cells in a biological specimen.   | Mast Cell Count   |
| C11124 7 | Mast Cells/Total Cells               | Mast Cells/Total Cells                                  | A relative measurement (ratio or percentage) of the mast cells to total cells in a biological specimen.   | Mast Cell to Total Cell Ratio Measurement               |
| C80192   | Matrix Metalloproteinase 1           | Interstitial Collagenase;Matrix Metalloproteinase 1     | A measurement of the matrix metalloproteinase 1 in a biological specimen.   | Matrix Metalloproteinase 1 Measurement                  |
| C80193   | Matrix Metalloproteinase 2           | Gelatinase A;Matrix Metalloproteinase 2                 | A measurement of the matrix metalloproteinase 2 in a biological specimen.   | Matrix Metalloproteinase 2 Measurement                  |
| C80194   | Matrix Metalloproteinase 3           | Matrix Metalloproteinase 3;Stromelysin 1                | A measurement of the matrix metalloproteinase 3 in a biological specimen.   | Matrix Metalloproteinase 3 Measurement                  |
| C80195   | Matrix Metalloproteinase 7           | Matrilysin;Matrix Metalloproteinase 7                   | A measurement of the matrix metalloproteinase 7 in a biological specimen.   | Matrix Metalloproteinase 7 Measurement                  |
| C80196   | Matrix Metalloproteinase 8           | Matrix Metalloproteinase 8;Neutrophil Collagenase       | A measurement of the matrix metalloproteinase 8 in a biological specimen.   | Matrix Metalloproteinase 8 Measurement                  |
| C80197   | Matrix Metalloproteinase 9           | Gelatinase B;Matrix Metalloproteinase 9                 | A measurement of the matrix metalloproteinase 9 in a biological specimen.   | Matrix Metalloproteinase 9 Measurement                  |
| C74661   | Mature Plasma Cells                  | Mature Plasma Cells;Plasmacytes                         | A measurement of the mature plasma cells (plasmacytes) in a biological specimen.  | Mature Plasma Cell Count                                |
| C74911   | Mature Plasma Cells/Lymphocytes      | Mature Plasma Cells/Lymphocytes                         | A relative measurement (ratio or percentage) of the mature plasma cells (plasmacytes) to all lymphocytes in a biological specimen.                                      | Mature Plasma Cell to Lymphocyte Ratio Measurement      |
| C12762 8 | Maturing Erythroid Cells/Total Cells | Maturing Erythroid/Total Cells                          | A relative measurement (ratio or percentage) of the maturing erythroid cells to total cells in a biological specimen.   | Maturing Erythroid Cell to Total Cell Ratio Measurement |
| C12762 9 | Maturing Myeloid Cells/Total Cells   | Maturing Myeloid/Total Cells                            | A relative measurement (ratio or percentage) of the maturing myeloid cells to total cells in a biological specimen.   | Maturing Myeloid Cell to Total Cell Ratio Measurement   |
| C74614   | May-Hegglin Anomaly                  | May-Hegglin Anomaly                                     | A measurement of the May-Hegglin anomaly in a blood sample. This anomaly is characterized by large, misshapen platelets and the presence of Dohle bodies in leukocytes. | May-Hegglin Anomaly Measurement                         |
| C11421 5 | MCV Reticulocytes                    | MCV Reticulocytes;Mean Corpuscular Volume Reticulocytes | A measurement of the mean volume of reticulocytes in a biological specimen.   | Reticulocyte Mean Corpuscular Volume                    |
| C96686   | Mean Platelet Component              | Mean Platelet Component                                 | A measurement of the mean platelet component (platelet activity) in a blood specimen.   | Mean Platelet Component Measurement                     |
| C11421 4 | Mean Platelet Dry Mass               | Mean Platelet Dry Mass                                  | A measurement of the mean platelet dry mass in a biological specimen.   | Mean Platelet Dry Mass                                  |
| C74730   | Mean Platelet Volume                 | Mean Platelet Volume                                    | A measurement of the average size of the platelets present in a blood sample.   | Mean Platelet Volume Measurement                        |

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| NCI Code | CDISC Submission Value                | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term   |
|----------|---------------------------------------|---------------------------------------|--|--|
| C11619 3 | Medium Absorption Retic/Reticulocytes | Medium Absorption Retic/Reticulocytes | A relative measurement (ratio or percentage) of the medium absorption reticulocytes to total reticulocytes in a biological specimen.   | Medium Absorption Reticulocytes to Total Reticulocytes Ratio Measurement |
| C11619 2 | Medium Absorption Reticulocytes       | Medium Absorption Reticulocytes       | A measurement of the medium absorption reticulocytes in a biological specimen.   | Medium Absorption Reticulocyte Measurement                               |
| C98752   | Megakaryoblasts                       | Megakaryoblasts                       | A measurement of the megakaryoblasts in a biological specimen.   | Megakaryoblast Cell Count  |
| C98753   | Megakaryoblasts/Total Cells           | Megakaryoblasts/Total Cells           | A relative measurement (ratio or percentage) of the megakaryoblasts to total cells in a biological specimen (for example a bone marrow specimen).  | Megakaryoblast to Total Cell Ratio Measurement                           |
| C96688   | Megakaryocytes                        | Megakaryocytes                        | A measurement of the megakaryocytes per unit of a biological specimen.   | Megakaryocyte Count  |
| C98867   | Megakaryocytes/Total Cells            | Megakaryocytes/Total Cells            | A relative measurement (ratio or percentage) of the megakaryocytes to total cells in a biological specimen (for example a bone marrow specimen).   | Megakaryocyte to Total Cell Ratio Measurement                            |
| C74867   | Melatonin                             | Melatonin                             | A measurement of the melatonin hormone in a biological specimen.   | Melatonin Measurement  |
| C11125 0 | Meningeal Cells                       | Meningeal Cells                       | A measurement of the meningeal cells in a biological specimen.   | Meningeal Cell Count   |
| C11125 1 | Meningeal Cells/Total Cells           | Meningeal Cells/Total Cells           | A relative measurement (ratio or percentage) of the meningeal cells to total cells in a biological specimen.   | Meningeal Cell to Total Cell Ratio Measurement                           |
| C74615   | Metamyelocytes                        | Metamyelocytes                        | A measurement of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) in a biological specimen.   | Metamyelocyte Count  |
| C74645   | Metamyelocytes/Leukocytes             | Metamyelocytes/Leukocytes             | A relative measurement (ratio or percentage) of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) to all leukocytes in a biological specimen.                                    | Metamyelocyte to Leukocyte Ratio Measurement                             |
| C98754   | Metamyelocytes/Total Cells            | Metamyelocytes/Total Cells            | A relative measurement (ratio or percentage ) of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) to total cells in a biological specimen (for example a bone marrow specimen). | Metamyelocyte to Total Cell Ratio Measurement                            |
| C11619 8 | Metanephrine                          | Metadrenaline;Metanephrine            | A measurement of the metanephrine in a biological specimen.  | Metanephrine Measurement   |
| C74881   | Methadone                             | Methadone                             | A measurement of the methadone present in a biological specimen.   | Methadone Measurement  |
| C75348   | Methamphetamine                       | Methamphetamine                       | A measurement of the methamphetamine drug present in a biological specimen.  | Methamphetamine Measurement  |

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| NCI Code    | CDISC Submission Value         | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                         |
|-------------|--------------------------------|--|--|--|
| C74882      | Methaqualone                   | Methaqualone   | A measurement of the methaqualone present in a biological specimen.  | Methaqualone Measurement                   |
| C96689      | Methemoglobin                  | Methemoglobin  | A measurement of the methemoglobin in a biological specimen.   | Methemoglobin Measurement                  |
| C12223<br>8 | Methionine                     | Methionine   | A measurement of the methionine in a biological specimen.  | Methionine Measurement                     |
| C96690      | Methylmalonic Acid             | Methylmalonic Acid   | A measurement of the methylmalonic acid in a biological specimen.  | Methylmalonic Acid Measurement             |
| C64822      | Microcytes                     | Microcytes   | A measurement of the microcytes in a biological specimen.  | Microcyte Count                            |
| C11784<br>3 | Microfilaria                   | Microfilaria   | Presence of microfilaria stage of filarial nematodes in smears prepared from whole blood or other body fluids.                                       | Microfilaria Measurement                   |
| C11619<br>9 | Mid Cell Fraction              | Mid Cell Fraction;Mid Cells                                      | A measurement of the mid cell fraction, including eosinophils, basophils, monocytes and other precursor white blood cells, in a biological specimen. | Mid Cell Fraction Measurement              |
| C74771      | Mixed Casts                    | Mixed Casts  | A measurement of the mixed (the cast contains a mixture of cell types) casts present in a biological specimen.                                       | Mixed Cast Count                           |
| C16790      | Mixed Lymphocyte Reaction      | Mixed Leukocyte Reaction;Mixed Lymphocyte Reaction               | A measurement of the histocompatibility at the HL-A locus between two populations of lymphocytes taken from two separate individuals.                | Mixed Lymphocyte Reaction Test             |
| C74631      | Monoblasts                     | Monoblasts   | A measurement of the monoblast cells in a biological specimen.   | Monoblast Count                            |
| C74646      | Monoblasts/Leukocytes          | Monoblasts/Leukocytes  | A relative measurement (ratio or percentage) of the monoblasts to leukocytes in a biological specimen.   | Monoblast to Leukocyte Ratio Measurement   |
| C92291      | Monoclonal Protein             | Monoclonal Immunoglobulin Protein;Monoclonal Protein;Paraprotein | A measurement of homogenous immunoglobulin resulting from the proliferation of a single clone of plasma cells in a biological specimen.              | Monoclonal Protein Measurement             |
| C11784<br>4 | Monoclonal Protein Spike       | Monoclonal Protein Spike   | A measurement of the monoclonal protein in the region of the electrophoresis field containing a spike (increase) in protein.                         | Monoclonal Protein Spike Measurement       |
| C82025      | Monocyte Chemotactic Protein 1 | Monocyte Chemotactic Protein 1                                   | A measurement of the monocyte chemotactic protein 1 in a biological specimen.  | Monocyte Chemotactic Protein 1 Measurement |
| C64823      | Monocytes                      | Monocytes  | A measurement of the monocytes in a biological specimen.   | Monocyte Count                             |
| C64824      | Monocytes/Leukocytes           | Monocytes/Leukocytes   | A relative measurement (ratio or percentage) of the monocytes to leukocytes in a biological specimen.  | Monocyte to Leukocyte Ratio                |
| C10654<br>4 | Monocytes/Macrocytes           | Monocytes/Macrocytes   | A relative measurement (ratio or percentage) of the monocytes to macrocytes present in a sample.   | Monocytes to Macrocytes Ratio Measurement  |

| C67154 LBTEST |   |   |   |  |
|---------------|---|---|---|--|
| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C98872        | Monocytes/Total Cells                   | Monocytes/Total Cells                   | A relative measurement (ratio or percentage) of the monocytes to total cells in a biological specimen (for example a bone marrow specimen). | Monocytes to Total Cell Ratio Measurement                    |
| C11127<br>6   | Monocytoid Cells                        | Monocytoid Cells                        | A measurement of the monocytoid cells in a biological specimen.   | Monocytoid Cell Count  |
| C12064<br>1   | Monocytoid Cells/Leukocytes             | Monocytoid Cells/Leukocytes             | A relative measurement (ratio or percentage) of the monocytoid cells to leukocytes in a biological specimen.                                | Monocytoid Cells to Leukocytes Ratio Measurement             |
| C11127<br>7   | Monocytoid Cells/Total Cells            | Monocytoid Cells/Total Cells            | A relative measurement (ratio or percentage) of the monocytoid cells to total cells in a biological specimen.                               | Monocytoid Cell to Total Cell Ratio Measurement              |
| C74681        | Monosodium Urate Crystals               | Monosodium Urate Crystals               | A measurement of the monosodium urate crystals present in a biological specimen.  | Monosodium Urate Crystal Measurement                         |
| C74883        | Morphine                                | Morphine                                | A measurement of the morphine present in a biological specimen.   | Morphine Measurement   |
| C79457        | Mu Glutathione-S-Transferase            | Mu Glutathione-S-Transferase            | A measurement of the mu form of glutathione S-transferase in a biological specimen.   | Mu Glutathione-S-Transferase Measurement                     |
| C79458        | Mu Glutathione-S-Transferase/Creatinine | Mu Glutathione-S-Transferase/Creatinine | A relative measurement (ratio or percentage) of the mu gamma glutamyl transpeptidase to creatinine in a biological specimen.                | Mu Glutathione-S-Transferase to Creatinine Ratio Measurement |
| C74721        | Mucous Threads                          | Mucous Threads                          | A measurement of the mucous threads present in a biological specimen.   | Mucous Thread Measurement                                    |
| C12213<br>6   | Mumps Virus IgG Antibody                | Mumps Virus IgG Antibody                | A measurement of the mumps virus IgG antibody in a biological specimen.   | Mumps Virus IgG Antibody Measurement                         |
| C12763<br>0   | Murinoglobulin                          | Murinoglobulin                          | A measurement of the murinoglobulin in a biological specimen.   | Murinoglobulin Measurement                                   |
| C12434<br>6   | Mycobacterium tuberculosis IgA Antibody | Mycobacterium tuberculosis IgA Antibody | A measurement of the Mycobacterium tuberculosis IgA antibodies in a biological specimen.  | Mycobacterium tuberculosis IgA Antibody Measurement          |
| C12434<br>7   | Mycobacterium tuberculosis IgE Antibody | Mycobacterium tuberculosis IgE Antibody | A measurement of the Mycobacterium tuberculosis IgE antibodies in a biological specimen.  | Mycobacterium tuberculosis IgE Antibody Measurement          |
| C12434<br>8   | Mycobacterium tuberculosis IgG Antibody | Mycobacterium tuberculosis IgG Antibody | A measurement of the Mycobacterium tuberculosis IgG antibodies in a biological specimen.  | Mycobacterium tuberculosis IgG Antibody Measurement          |
| C92279        | Mycobacterium tuberculosis Nucleic Acid | Mycobacterium tuberculosis Nucleic Acid | A measurement of the Mycobacterium tuberculosis nucleic acid in a biological specimen.  | Mycobacterium tuberculosis Nucleic Acid Measurement          |
| C10341<br>8   | Myelin Antibodies                       | Myelin Antibodies                       | A measurement of the myelin antibodies in a biological specimen.  | Myelin Antibodies Measurement                                |
| C12213<br>5   | Myelin Basic Protein                    | Myelin Basic Protein                    | A measurement of the myelin basic protein in a biological specimen.   | Myelin Basic Protein Measurement                             |



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| NCI Code    | CDISC Submission Value          | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                   |
|-------------|---------------------------------|--|---|--|
| C74632      | Myeloblasts                     | Myeloblasts  | A measurement of the myeloblast cells in a biological specimen.   | Myeloblast Count                                     |
| C64825      | Myeloblasts/Leukocytes          | Myeloblasts/Leukocytes   | A relative measurement (ratio or percentage) of the myeloblasts to leukocytes in a biological specimen.                                       | Myeloblast to Leukocyte Ratio                        |
| C98761      | Myeloblasts/Total Cells         | Myeloblasts/Total Cells  | A relative measurement (ratio or percentage) of the myeloblasts to total cells in a biological specimen (for example a bone marrow specimen). | Myeloblast to Total Cell Ratio Measurement           |
| C74662      | Myelocytes                      | Myelocytes   | A measurement of the myelocytes in a biological specimen.   | Myelocyte Count                                      |
| C64826      | Myelocytes/Leukocytes           | Myelocytes/Leukocytes  | A relative measurement (ratio or percentage) of the myelocytes to leukocytes in a biological specimen.  | Myelocyte to Leukocyte Ratio                         |
| C98868      | Myelocytes/Total Cells          | Myelocytes/Total Cells   | A relative measurement (ratio or percentage) of the myelocytes to total cells in a biological specimen (for example a bone marrow specimen).  | Myelocyte to Total Cell Ratio Measurement            |
| C92242      | Myeloid/Erythroid Ratio         | Myeloid/Erythroid Ratio  | A relative measurement of myeloid progenitor cells to erythrocyte precursor cells in a biological specimen.                                   | Myeloid to Erythroid Ratio Measurement               |
| C80198      | Myeloperoxidase                 | Myeloperoxidase  | A measurement of the myeloperoxidase in a biological specimen.  | Myeloperoxidase Measurement                          |
| C92280      | Myeloperoxidase Antibody        | Myeloperoxidase Antibody   | A measurement of the myeloperoxidase antibody in a biological specimen.   | Myeloperoxidase Antibody Measurement                 |
| C11929<br>0 | Myeloperoxidase Index           | Myeloperoxidase Index  | The mean peroxidase activity index or staining intensity of the neutrophil population relative to the archetype.                              | Neutrophil Myeloperoxidase Index                     |
| C79436      | Myoglobin                       | Myoglobin  | A measurement of myoglobin in a biological specimen.  | Myoglobin Measurement                                |
| C10654<br>6 | Myoglobin/Creatinine            | Myoglobin/Creatinine   | A relative measurement (ratio or percentage) of the myoglobin to creatinine present in a sample.  | Myoglobin to Creatinine Ratio Measurement            |
| C10654<br>7 | Myosin Light Chain 3            | Cardiac myosin light chain 1;Myosin Light Chain 3;Myosin light chain 1, slow-twitch muscle B/ventricular isoform | A measurement of myosin light chain 3 in a biological specimen.   | Myosin Light Chain 3 Measurement                     |
| C79459      | N-Acetyl Glucosamide            | N-Acetyl Glucosamide;N-Acetyl Glucosamine  | A measurement of N-acetyl glucosamide (sugar derivative) in a biological specimen.  | N-Acetyl Glucosamide Measurement                     |
| C79460      | N-Acetyl Glucosamide/Creatinine | N-Acetyl Glucosamide/Creatinine  | A relative measurement (ratio or percentage) of the N-acetyl glucosamide to creatinine in a biological specimen.                              | N-Acetyl Glucosamide to Creatinine Ratio Measurement |
| C10341<br>9 | N-acetyl-beta-D-glucosaminidase | Beta-N-acetyl-D-glucosaminidase;N-acetyl-beta-D-glucosaminidase  | A measurement of the N-acetyl-beta-D-glucosaminidase (enzyme) in a biological specimen.   | N-acetyl-beta-D-glucosaminidase Measurement          |
| C74743      | N-telopeptide                   | N-telopeptide  | A measurement of the N-telopeptide in a biological specimen.  | N-Telopeptide Measurement                            |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                     |
|----------|--|--|---|--|
| C12064 5 | N-telopeptide/Creatinine                 | N-telopeptide/Creatinine   | A relative measurement (ratio or percentage) of the N-telopeptide to creatinine in a biological specimen.         | N-telopeptide to Creatinine Ratio Measurement          |
| C96610   | N-Terminal ProB-type Natriuretic Peptide | N-Terminal ProB-type Natriuretic Peptide;N-terminal pro-Brain Natriuretic Peptide;NT proBNP II | A measurement of the N-terminal proB-type natriuretic peptide in a biological specimen.                           | N-Terminal ProB-type Natriuretic Peptide Measurement   |
| C11620 3 | Natural Killer Cell Function             | Natural Killer Cell Activity;Natural Killer Cell Function                                      | A measurement of the natural killer cell function in a biological specimen.                                       | Natural Killer Cell Activity Measurement               |
| C98762   | Natural Killer Cells                     | Natural Killer Cells   | A measurement of the total natural killer cells in a biological specimen.   | Natural Killer Cell Count                              |
| C92298   | Neisseria gonorrhoeae Screening          | Neisseria gonorrhoeae Screening  | Examination of a biological specimen to detect the presence of Neisseria gonorrhoeae.                             | Neisseria gonorrhoeae Screening                        |
| C80199   | Neopterin                                | Neopterin  | A measurement of the neopterin in a biological specimen.  | Neopterin Measurement                                  |
| C11620 5 | Neuron Specific Enolase                  | Enolase 2;Gamma-enolase;Neuron Specific Enolase  | A measurement of the neuron specific enolase in a biological specimen.  | Neuron Specific Enolase Measurement                    |
| C74892   | Neuropeptide Y                           | Neuropeptide Y   | A measurement of the neuropeptide Y in a biological specimen.   | Neuropeptide Y Measurement                             |
| C82026   | Neutrophil Elastase                      | Neutrophil Elastase  | A measurement of the neutrophil elastase in a biological specimen.  | Neutrophil Elastase Measurement                        |
| C82027   | Neutrophil Elastase, Polymorphonuclear   | Neutrophil Elastase, Polymorphonuclear   | A measurement of the polymorphonuclear neutrophil elastase in a biological specimen.                              | Polymorphonuclear Neutrophil Elastase Measurement      |
| C84822   | Neutrophilic Metamyelocytes              | Neutrophilic Metamyelocytes  | A measurement of the neutrophilic metamyelocytes in a biological specimen.  | Neutrophilic Metamyelocyte Count                       |
| C84823   | Neutrophilic Myelocytes                  | Neutrophilic Myelocytes  | A measurement of the neutrophilic myelocytes in a biological specimen.  | Neutrophilic Myelocyte Count                           |
| C63321   | Neutrophils                              | Neutrophils  | A measurement of the neutrophils in a biological specimen.  | Absolute Neutrophil Count                              |
| C64830   | Neutrophils Band Form                    | Neutrophils Band Form  | A measurement of the banded neutrophils in a biological specimen.   | Neutrophil Band Form Count                             |
| C12064 2 | Neutrophils Band Form/ Neutrophils       | Neutrophils Band Form/ Neutrophils   | A relative measurement (ratio or percentage) of banded neutrophils to total neutrophils in a biological specimen. | Neutrophils Band Form to Neutrophils Ratio Measurement |
| C64831   | Neutrophils Band Form/Leukocytes         | Neutrophils Band Form/Leukocytes   | A relative measurement (ratio or percentage) of the banded neutrophils to leukocytes in a biological specimen.    | Neutrophil Band Form to Leukocyte Ratio                |
| C81997   | Neutrophils, Segmented                   | Neutrophils, Segmented   | A measurement of the segmented neutrophils in a biological specimen.  | Segmented Neutrophil Count                             |
| C82045   | Neutrophils, Segmented/Leukocytes        | Neutrophils, Segmented/Leukocytes  | A relative measurement (ratio or percentage) of segmented neutrophils to leukocytes in a biological specimen.     | Segmented Neutrophil to Leukocyte Ratio Measurement    |

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| NCI Code | CDISC Submission Value              | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
|----------|-------------------------------------|--|---|---|
| C120643  | Neutrophils, Segmented/Neutrophils  | Neutrophils, Segmented/Neutrophils   | A relative measurement (ratio or percentage) of segmented neutrophils to total neutrophils in a biological specimen.  | Segmented Neutrophils to Neutrophils Ratio Measurement    |
| C64827   | Neutrophils/Leukocytes              | Neutrophils/Leukocytes   | A relative measurement (ratio or percentage) of the neutrophils to leukocytes in a biological specimen.   | Neutrophil to Leukocyte Ratio                             |
| C98763   | Neutrophils/Total Cells             | Neutrophils/Total Cells  | A relative measurement (ratio or percentage) of the neutrophils to total cells in a biological specimen (for example a bone marrow specimen).                     | Neutrophil to Total Cell Ratio Measurement                |
| C74899   | Niacin                              | Niacin;Vitamin B3  | A measurement of the niacin in a biological specimen.   | Vitamin B3 Measurement                                    |
| C112360  | Nitric Oxide                        | NO;Nitric Oxide  | A measurement of the nitric oxide in a biological specimen.   | Nitric Oxide Measurement                                  |
| C64810   | Nitrite                             | Nitrite  | A measurement of the nitrite in a urine specimen.   | Nitrite Measurement                                       |
| C116204  | Non-HDL Cholesterol                 | Non-HDL Cholesterol;Non-High Density Lipoprotein                           | A measurement of the non-high density lipoprotein cholesterol in a biological specimen.   | Non-High Density Lipoprotein Cholesterol Measurement      |
| C120644  | Non-HDL Cholesterol/HDL Cholesterol | Non-HDL Cholesterol/HDL Cholesterol  | A relative measurement (ratio or percentage) of non-high density lipoprotein cholesterol to high density lipoprotein cholesterol in a biological specimen.        | Non-HDL Cholesterol to HDL Cholesterol Ratio Measurement  |
| C84811   | Non-Phosphorylated Tau Protein      | Non-Phosphorylated Tau Protein   | A measurement of the non-phosphorylated Tau protein in a biological specimen.   | Nonphosphorylated Tau Protein Measurement                 |
| C100434  | Non-Prostatic Acid Phosphatase      | Non-Prostatic Acid Phosphatase   | A measurement of the non-prostatic acid phosphatase in a biological specimen.   | Non-Prostatic Acid Phosphatase Measurement                |
| C74868   | Norepinephrine                      | Noradrenaline;Norepinephrine   | A measurement of the norepinephrine hormone in a biological specimen.   | Noradrenaline Measurement                                 |
| C122138  | Normetanephrine                     | Normetanephrine  | A measurement of the normetanephrine in a biological specimen.  | Normetanephrine Measurement                               |
| C98764   | Normoblasts/Total Cells             | Normoblasts/Total Cells  | A relative measurement (ratio or percentage) of the normoblasts to total cells in a biological specimen (for example a bone marrow specimen).                     | Normoblast to Total Cell Ratio Measurement                |
| C114213  | Nuclear Swelling                    | Nuclear Swelling   | A measurement of the expansion of the nucleus of the cells in a biological specimen.  | Nuclear Swelling Measurement                              |
| C74705   | Nucleated Erythrocytes              | Nucleated Erythrocytes;Nucleated Red Blood Cells                           | A measurement of the nucleated erythrocytes (large, immature nucleated erythrocytes) in a biological specimen.  | Nucleated Red Blood Cell Count                            |
| C74647   | Nucleated Erythrocytes/Erythrocytes | Nucleated Erythrocytes/Erythrocytes;Nucleated Red Blood Cells/Erythrocytes | A relative measurement (ratio or percentage) of the nucleated erythrocytes (large, immature nucleated erythrocytes) to all erythrocytes in a biological specimen. | Nucleated Red Blood Cell to Erythrocyte Ratio Measurement |

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| <b>NCI Code</b> | <b>CDISC Submission Value</b>     | <b>CDISC Synonym</b>   | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>                            |
|-----------------|-----------------------------------|--|---|--|
| C82046          | Nucleated Erythrocytes/Leukocytes | Nucleated Erythrocytes/Leukocytes  | A relative measurement (ratio or percentage) of nucleated erythrocytes to leukocytes in a biological specimen.      | Nucleated Erythrocyte to Leukocyte Ratio Measurement |
| C74686          | Occult Blood                      | Occult Blood   | A measurement of the blood in body products such as a urine or stool sample, not detectable on gross examination.   | Occult Blood Measurement                             |
| C12213<br>9     | Oligoclonal Bands                 | Oligoclonal Bands  | A measurement of the oligoclonal bands in a biological specimen.  | Oligoclonal Bands Measurement                        |
| C74796          | Opiate                            | Opiate   | A measurement of any opiate class drug present in a biological specimen.  | Opiate Measurement                                   |
| C12214<br>0     | Ornithine                         | Ornithine  | A measurement of the ornithine in a biological specimen.  | Ornithine Measurement                                |
| C74801          | Osmolality                        | Osmolality   | A measurement of the osmoles of solute per unit of biological specimen.   | Osmolality Measurement                               |
| C74802          | Osmolarity                        | Osmolarity   | A measurement of the osmoles of solute per liter of solution.   | Osmolarity Measurement                               |
| C74744          | Osteocalcin                       | Osteocalcin  | A measurement of the osteocalcin in a biological specimen.  | Osteocalcin Measurement                              |
| C12434<br>9     | Osteopontin                       | Osteopontin  | A measurement of the osteopontin in a biological specimen.  | Osteopontin Measurement                              |
| C11620<br>6     | Osteoprotegerin                   | OCIF;Osteoclastogenesis Inhibitory Factor;Osteoprotegerin;TNFRS11B;Tumor Necrosis Factor Receptor Superfamily Member 11b | A measurement of the osteoprotegerin in a biological specimen.  | Osteoprotegerin Measurement                          |
| C10045<br>2     | Ova and Parasite                  | Ova and Parasite   | A measurement of the parasites and ova in a biological specimen.  | Ova and Parasite Measurement                         |
| C92250          | Oxalate                           | Ethanedioate;Oxalate   | A measurement of the oxalate in a biological specimen.  | Oxalate Measurement                                  |
| C11798<br>3     | Oxalate/Creatinine                | Oxalate/Creatinine   | A relative measurement (ratio or percentage) of the oxalate to creatinine in a biological specimen.                 | Oxalate to Creatinine Ratio Measurement              |
| C12063<br>5     | Oxidized LDL Cholesterol          | Oxidized LDL Cholesterol   | A measurement of the oxidized low density lipoprotein cholesterol in a biological specimen.                         | Oxidized LDL Cholesterol Measurement                 |
| C11928<br>8     | Oxidized LDL Cholesterol Antibody | Oxidized LDL Cholesterol Antibody  | A measurement of the total oxidized low density lipoprotein cholesterol antibody in a biological specimen.          | Oxidized LDL Cholesterol Antibody Measurement        |
| C74884          | Oxycodone                         | Oxycodone;Oxycontin  | A measurement of the oxycodone present in a biological specimen.  | Oxycodone Measurement                                |
| C96614          | Oxygen Capacity                   | Oxygen Capacity  | A measurement of the maximum amount of oxygen that can be combined chemically with hemoglobin in a volume of blood. | Oxygen Capacity Measurement                          |
| C11128<br>4     | Oxygen Content                    | Oxygen Content   | A measurement of the amount of oxygen content in a biological specimen.   | Oxygen Measurement                                   |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
|----------|--|---|--|--|
| C60832   | Oxygen Saturation                        | Oxygen Saturation   | A measurement of the oxygen-hemoglobin saturation of a volume of blood.  | Oxygen Saturation Measurement                                  |
| C96616   | Oxyhemoglobin                            | Oxyhemoglobin   | A measurement of the oxyhemoglobin, oxygen-bound hemoglobin, in a biological specimen.   | Oxyhemoglobin Measurement                                      |
| C74869   | Oxytocin                                 | Oxytocin;Oxytoxin   | A measurement of the oxytocin hormone in a biological specimen.  | Oxytocin Measurement   |
| C127631  | P-Aminohippurate Sodium                  | P-Aminohippurate Sodium   | A measure of the para-aminohippurate sodium in a biological specimen.  | Para-Aminohippurate Sodium Measurement                         |
| C117850  | P-Selectin                               | GMP-140;P-Selectin  | A measurement of total P-selectin in a biological specimen.  | P-Selectin Measurement   |
| C120651  | P100 Polymyositis-scleroderma Autoag Ab  | P100 Polymyositis-scleroderma Autoag Ab                           | A measurement of the p100 polymyositis-scleroderma overlap syndrome-associated autoantigen antibody in a biological specimen.  | P100 Polymyositis-scleroderma Autoantigen Antibody Measurement |
| C102279  | P50 Oxygen                               | P50 Oxygen  | A measurement of the partial pressure of oxygen when hemoglobin is half saturated in a biological specimen.  | P50 Oxygen Measurement   |
| C82028   | Pancreatic Elastase 1                    | Pancreatic Elastase 1   | A measurement of the pancreatic elastase 1 in a biological specimen.   | Pancreatic Elastase Measurement                                |
| C82029   | Pancreatic Elastase 1, Polymorphonuclear | Pancreatic Elastase 1, Polymorphonuclear                          | A measurement of the polymorphonuclear pancreatic elastase 1 in a biological specimen.   | Polymorphonuclear Pancreatic Elastase Measurement              |
| C80201   | Pancreatic Polypeptide                   | Pancreatic Polypeptide  | A measurement of the pancreatic polypeptide in a biological specimen.  | Pancreatic Polypeptide Measurement                             |
| C116210  | Panel Reactive Antibody                  | PRA Score;Panel Reactive Antibody;Percent Panel Reactive Antibody | A measurement of the panel reactive antibody (the reactivity between host immune cells and donor human leukocyte antigen) in a biological specimen.                                      | Panel Reactive Antibody Test                                   |
| C74616   | Pappenheimer Bodies                      | Pappenheimer Bodies   | A measurement of the cells containing Pappenheimer Bodies (violet or blue staining ferritin granules usually found along the periphery of the red blood cells) in a biological specimen. | Pappenheimer Body Count  |
| C81964   | Parathyroid Hormone, C-Terminal          | Parathyroid Hormone, C-Terminal                                   | A measurement of the C-terminal fragment of parathyroid hormone in a biological specimen.  | C-Terminal Parathyroid Hormone Measurement                     |
| C74784   | Parathyroid Hormone, Fragmented          | Parathyroid Hormone, Fragmented                                   | A measurement of the fragmented parathyroid hormone in a biological specimen.  | Fragmented Parathyroid Hormone Measurement                     |
| C74789   | Parathyroid Hormone, Intact              | Parathyroid Hormone, Intact                                       | A measurement of the intact parathyroid hormone (consisting of amino acids 1-84 or 7-84) in a biological specimen.   | Intact Parathyroid Hormone Measurement                         |
| C81965   | Parathyroid Hormone, Mid-Molecule        | Parathyroid Hormone, Mid-Molecule                                 | A measurement of the mid-molecule fragment of parathyroid hormone in a biological specimen.  | Mid-Molecule Parathyroid Hormone Measurement                   |

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| NCI Code | CDISC Submission Value              | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                              |
|----------|-------------------------------------|---|--|---|
| C81966   | Parathyroid Hormone, N-Terminal     | Parathyroid Hormone, N-Terminal   | A measurement of the N-terminal fragment of parathyroid hormone in a biological specimen.  | N-Terminal Parathyroid Hormone Measurement      |
| C103451  | Parathyroid Hormone, Whole          | Parathyroid Hormone, Whole  | A measurement of the whole parathyroid hormone (consisting of amino acids 1-84) in a biological specimen.  | Whole Parathyroid Hormone Measurement           |
| C117851  | Parathyroid Hormone-related Protein | Parathyroid Hormone-related Peptide;Parathyroid Hormone-related Protein | A measurement of parathyroid hormone-related protein in a biological specimen.   | Parathyroid Hormone-related Protein Measurement |
| C116207  | Parietal Cell Antibody              | Anti-Parietal Cell Antibody;Parietal Cell Antibody                      | A measurement of the parietal cell antibody in a biological specimen.  | Parietal Cell Antibody Measurement              |
| C82625   | Partial Pressure Carbon Dioxide     | Partial Pressure Carbon Dioxide   | A measurement of the pressure of carbon dioxide in a biological specimen.  | Partial Pressure of Carbon Dioxide Measurement  |
| C71251   | Partial Pressure Oxygen             | Partial Pressure Oxygen   | A measurement of the pressure of oxygen in a biological specimen.  | Partial Pressure of Oxygen Measurement          |
| C96617   | Parvovirus B19 IgG Antibody         | Parvovirus B19 IgG Antibody   | A measurement of the Parvovirus B19 IgG antibody in a biological specimen.   | Parvovirus B19 IgG Antibody Measurement         |
| C96618   | Parvovirus B19 IgM Antibody         | Parvovirus B19 IgM Antibody   | A measurement of the Parvovirus B19 IgM antibody in a biological specimen.   | Parvovirus B19 IgM Antibody Measurement         |
| C74617   | Pelger Huet Anomaly                 | Pelger Huet Anomaly   | A measurement of the Pelger Huet Anomaly (nuclei of neutrophils and eosinophils appear rod-like, spherical or dumbbell shaped) in a biological specimen. | Pelger Huet Anomaly Measurement                 |
| C81988   | Pemphigoid Antibodies               | Pemphigoid Antibodies   | A measurement of the pemphigoid antibodies in a biological specimen.   | Pemphigoid Antibody Measurement                 |
| C100122  | Pepsinogen                          | Pepsinogen  | A measurement of the pepsinogen in a biological specimen.  | Pepsinogen Measurement                          |
| C100469  | Pepsinogen A                        | PGA;Pepsinogen A  | A measurement of the pepsinogen A in a biological specimen.  | Pepsinogen A Measurement                        |
| C100470  | Pepsinogen C                        | PGC;Pepsinogen C  | A measurement of the pepsinogen C in a biological specimen.  | Pepsinogen C Measurement                        |
| C100467  | Pepsinogen I                        | PGI;Pepsinogen I  | A measurement of the pepsinogen I in a biological specimen.  | Pepsinogen I Measurement                        |
| C100468  | Pepsinogen II                       | PGII;Pepsinogen II  | A measurement of the pepsinogen II in a biological specimen.   | Pepsinogen II Measurement                       |
| C80202   | Peptide YY                          | Peptide Tyrosine Tyrosine;Peptide YY                                    | A measurement of the peptide YY in a biological specimen.  | Peptide YY Measurement                          |
| C112395  | Periostin                           | OSF2;Osteoblast Specific Factor 2;POSTN;Periostin                       | A measurement of the periostin in a biological specimen.   | Periostin Measurement                           |
| C45997   | pH                                  | pH  | The negative logarithm (base 10) of the concentration of hydronium ions, which is used as a measure of the acidity or alkalinity of a fluid.             | pH  |
| C74694   | Phencyclidine                       | Phencyclidine;Phenylcyclohexylpiperidine                                | A measurement of the phencyclidine present in a biological specimen.   | Phencyclidine Measurement                       |

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|-----------------|---------------------------------|--|--|---|
| C75368          | Phenobarbital                   | Phenobarbital                            | A measurement of the phenobarbital present in a biological specimen.   | Phenobarbital Measurement                   |
| C74695          | Phenothiazine                   | Dibenzothiazine;Phenothiazine            | A measurement of the phenothiazine present in a biological specimen.   | Phenothiazine Measurement                   |
| C81280          | Phenylalanine                   | Phenylalanine                            | A measurement of the phenylalanine in a biological specimen.   | Phenylalanine Measurement                   |
| C64857          | Phosphate                       | Inorganic Phosphate;Phosphate;Phosphorus | A measurement of the phosphate in a biological specimen.   | Phosphate Measurement                       |
| C10655<br>3     | Phosphate Clearance             | Phosphate Clearance                      | A measurement of the volume of serum or plasma that would be cleared of phosphate by excretion of urine for a specified unit of time (e.g. one minute).  | Phosphate Clearance Measurement             |
| C79461          | Phosphate/Creatinine            | Phosphate/Creatinine                     | A relative measurement (ratio or percentage) of the phosphate to creatinine in a biological specimen.  | Phosphate to Creatinine Ratio Measurement   |
| C12214<br>3     | Phosphatidylserine IgA Antibody | Phosphatidylserine IgA Antibody          | A measurement of the phosphatidylserine IgA antibody in a biological specimen.   | Phosphatidylserine Antibody IgA Measurement |
| C12214<br>4     | Phosphatidylserine IgG Antibody | Phosphatidylserine IgG Antibody          | A measurement of the phosphatidylserine IgG antibody in a biological specimen.   | Phosphatidylserine Antibody IgG Measurement |
| C12214<br>5     | Phosphatidylserine IgM Antibody | Phosphatidylserine IgM Antibody          | A measurement of the phosphatidylserine IgM antibody in a biological specimen.   | Phosphatidylserine Antibody IgM Measurement |
| C96623          | Phospholipid                    | Phospholipid                             | A measurement of the phospholipids in a biological specimen.   | Phospholipid Measurement                    |
| C11784<br>5     | Phosphorus Excretion Rate       | Phosphorus Excretion Rate                | A measurement of the amount of phosphorus being excreted in urine over a defined amount of time (e.g. one hour).   | Phosphorus Urine Excretion Rate             |
| C84812          | Phosphorylated Tau Protein      | Phosphorylated Tau Protein               | A measurement of the phosphorylated Tau protein in a biological specimen.  | Phosphorylated Tau Protein Measurement      |
| C11927<br>9     | Pi-GST Excretion Rate           | Pi-GST Excretion Rate                    | A measurement of the amount of Pi Glutathione-S-Transferase being excreted in urine over a defined period of time (e.g. one hour).   | Pi-GST Excretion Rate                       |
| C98869          | Plasma Cells/Total Cells        | Plasma Cells/Total Cells                 | A relative measurement (ratio or percentage) of the mature plasma cells (plasmacytes) to total cells in a biological specimen (for example a bone marrow specimen).                              | Plasma Cell to Total Cell Ratio Measurement |
| C74618          | Plasmacytoid Lymphocytes        | Plasmacytoid Lymphocytes;Plymphocytes    | A measurement of the plasmacytoid lymphocytes (lymphocytes with peripherally clumped chromatin and often deep blue cytoplasm, and that appear similar to plasma cells) in a biological specimen. | Plasmacytoid Lymphocyte Count               |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                      |
|----------|--|--|--|---|
| C74648   | Plasmacytoid Lymphocytes/Lymphocytes     | Plasmacytoid Lymphocytes/Lymphocytes   | A relative measurement (ratio or percentage) of the plasmacytoid lymphocytes (lymphocytes with peripherally clumped chromatin and often deep blue cytoplasm, and that appear similar to plasma cells) to all lymphocytes in a biological specimen. | Plasmacytoid Lymphocyte to Lymphocyte Ratio Measurement |
| C127633  | Plasminogen                              | Plasminogen  | A measurement of the plasminogen (antigen) in a biological specimen.   | Plasminogen Measurement                                 |
| C82030   | Plasminogen Activator Inhibitor-1        | Plasminogen Activator Inhibitor-1  | A measurement of the plasminogen activator inhibitor-1 in a biological specimen.   | Plasminogen Activator Inhibitor-1 Measurement           |
| C81989   | Plasminogen Activator Inhibitor-1 AG     | Plasminogen Activator Inhibitor-1 AG   | A measurement of the plasminogen activator inhibitor-1 antigen in a biological specimen.   | Plasminogen Activator Inhibitor-1 Antigen Measurement   |
| C100453  | Plasmodium                               | Malaria;Plasmodium   | Examination of a biological specimen to detect the presence of any protozoan belonging to the Plasmodium genus.  | Plasmodium Measurement                                  |
| C111292  | Platelet Activating Factor               | Platelet Activating Factor   | A measurement of the platelet activating factor in a biological specimen.  | Platelet Activating Factor Measurement                  |
| C103427  | Platelet Aggregation                     | Platelet Aggregation;Platelet Function   | A measurement of the association of platelets to one another via adhesion molecules in a biological sample.  | Platelet Aggregation Measurement                        |
| C111293  | Platelet Aggregation Amplitude           | Platelet Aggregation Amplitude   | A measurement of the magnitude of the platelet aggregation in a biological specimen.   | Platelet Aggregation Amplitude Measurement              |
| C114210  | Platelet Aggregation Curve Type          | Platelet Aggregation Curve Type  | The classification of the curve pattern that is formed as a result of platelet aggregation.  | Platelet Aggregometry Curve Type                        |
| C114211  | Platelet Aggregation Mean Amplitude      | Platelet Aggregation Mean Amplitude  | An average of the measurements of the magnitude of the platelet aggregation in a biological specimen.  | Platelet Aggregometry Mean Amplitude                    |
| C114212  | Platelet Aggregation Mean Curve Type     | Platelet Aggregation Mean Curve Type   | The classification of the curve pattern that is formed as the average result of the platelet aggregation curve measurements.   | Platelet Aggregometry Mean Curve Type                   |
| C96624   | Platelet Clumps                          | PLT Clumps;Platelet Clumps   | A measurement of the platelet clumps in a biological specimen.   | Platelet Clumps Count                                   |
| C111294  | Platelet Component Distribution Width    | Platelet Component Distribution Width  | A measurement of a marker of platelet shape change in a biological specimen.   | Platelet Component Distribution Width Measurement       |
| C116208  | Platelet Derived Growth Factor IsoformAB | PDGF Isoform AB;Platelet Derived Growth Factor IsoformAB;Platelet Derived Growth Factor-AB Isoform | A measurement of the platelet derived growth factor isoform AB in a biological specimen.   | Platelet Derived Growth Factor Isoform AB Measurement   |
| C81962   | Platelet Distribution Width              | Platelet Distribution Width  | A measurement of the range of platelet sizes in a biological specimen.   | Platelet Distribution Width                             |
| C111295  | Platelet Function Closure Time           | PFCT;Platelet Function Closure Time  | A measurement of the platelet function closure time in a biological specimen.  | Platelet Function Closure Time Measurement              |



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|---------------|-------------------------------------|---|--|--|
| NCI Code      | CDISC Submission Value              | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C100424       | Platelet Hematocrit                 | Platelet Hematocrit;Thrombocytocrit                   | A relative measurement (ratio or percentage) of the proportion of the volume of blood taken up by platelets.   | Platelet Hematocrit Measurement  |
| C111296       | Platelet Morphology                 | Platelet Morphology                                   | An examination or assessment of the form and structure of platelets.   | Platelet Morphology Measurement  |
| C116209       | Platelet Satellitism                | Platelet Satellitism                                  | An examination or assessment of the platelet satellitism (platelet rosetting around cells) in a biological specimen.   | Platelet Satellitism Assessment  |
| C51951        | Platelets                           | Platelets   | A measurement of the platelets (non-nucleated thrombocytes) in a biological specimen.  | Platelet Count   |
| C79602        | Poikilocytes                        | Poikilocytes  | A measurement of the odd-shaped erythrocytes in a whole blood specimen.  | Poikilocyte Measurement  |
| C74649        | Poikilocytes/Erythrocytes           | Poikilocytes/Erythrocytes                             | A relative measurement (ratio or percentage) of the poikilocytes, or irregularly shaped erythrocytes, to all erythrocytes in a biological specimen.                                | Poikilocyte to Erythrocyte Ratio Measurement                                   |
| C64803        | Polychromasia                       | Polychromasia   | A measurement of the blue-staining characteristic of newly generated erythrocytes.   | Polychromasia  |
| C120648       | Porphyrin                           | Porphyrin   | A measurement of the total porphyrin in a biological specimen.   | Porphyrin Measurement  |
| C64853        | Potassium                           | Potassium   | A measurement of the potassium in a biological specimen.   | Potassium Measurement  |
| C106560       | Potassium Clearance                 | Potassium Clearance                                   | A measurement of the volume of serum or plasma that would be cleared of potassium by excretion of urine for a specified unit of time (e.g. one minute).                            | Potassium Clearance Measurement  |
| C117839       | Potassium Excretion Rate            | Potassium Excretion Rate                              | A measurement of the amount of potassium being excreted in urine over a defined amount of time (e.g. one hour).  | Potassium Urine Excretion Rate   |
| C79462        | Potassium/Creatinine                | Potassium/Creatinine                                  | A relative measurement (ratio or percentage) of the potassium to creatinine in a biological specimen.  | Potassium to Creatinine Ratio Measurement                                      |
| C119293       | PP Arterial O2/Fraction Inspired O2 | PAO2/FIO2;PP Arterial O2/Fraction Inspired O2         | A relative measurement (ratio or percentage) of the force per unit area (pressure) of oxygen dissolved in arterial blood to the percentage oxygen of an inhaled mixture of gasses. | Partial Pressure Arterial Oxygen to Fraction Inspired Oxygen Ratio Measurement |
| C100435       | Prealbumin                          | Prealbumin;Thyroxine-binding Prealbumin;Transthyretin | A measurement of the prealbumin in a biological specimen.  | Prealbumin Measurement   |
| C74619        | Precursor Plasma Cells              | Plasmablast;Precursor Plasma Cells                    | A measurement of the precursor (blast stage) plasma cells (antibody secreting cells derived from B cells via antigen stimulation) in a biological specimen.                        | Precursor Plasma Cell Count  |

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| NCI Code | CDISC Submission Value                    | CDISC Synonym   | CDISC Definition  | NCI Preferred Term   |
|----------|---|---|---|--|
| C74650   | Precursor Plasma Cells/Lymphocytes        | Precursor Plasma Cells/Lymphocytes  | A relative measurement (ratio or percentage) of the precursor (blast stage) plasma cells (antibody secreting cells derived from B cells via antigen stimulation) to all lymphocytes in a biological specimen. | Precursor Plasma Cell to Lymphocyte Ratio Measurement        |
| C82031   | Pregnancy-Associated Plasma Protein-A     | Pregnancy-Associated Plasma Protein-A   | A measurement of the pregnancy-associated plasma protein-A in a biological specimen.  | Pregnancy-Associated Plasma Protein-A Measurement            |
| C82032   | ProB-type Natriuretic Peptide             | Pro-Brain Natriuretic Peptide;ProB-type Natriuretic Peptide;proBNP  | A measurement of the proB-type natriuretic peptide in a biological specimen.  | ProB-Type Natriuretic Peptide Measurement                    |
| C103430  | Procalcitonin                             | Procalcitonin   | A measurement of the procalcitonin in a biological specimen.  | Procalcitonin Measurement                                    |
| C96625   | Procollagen 1 N-Terminal Propeptide       | Amino-terminal propeptide of type 1 procollagen;P1NP Aminoterm Type 1;Procollagen 1 N-Terminal Propeptide | A measurement of the procollagen 1 N-terminal propeptide in a biological specimen.  | Procollagen 1 N-Terminal Propeptide Measurement              |
| C82033   | Procollagen Type I Carboxy Term Peptide   | Procollagen Type I Carboxy Term Peptide   | A measurement of the procollagen-1 carboxy-terminal peptide in a biological specimen.   | Procollagen Type I Carboxy Terminal Peptide Measurement      |
| C100446  | Proerythroblast                           | Proerythroblast   | A measurement of the proerythroblasts in a biological specimen.   | Proerythroblast Measurement                                  |
| C74791   | Progesterone                              | Progesterone  | A measurement of the progesterone hormone in a biological specimen.   | Progesterone Measurement                                     |
| C117846  | Progesterone Receptor                     | NR3C3;PR;Progesterone Receptor  | A measurement of the progesterone receptor protein in a biological specimen.  | Progesterone Receptor Measurement                            |
| C81967   | Proinsulin                                | Proinsulin  | A measurement of the proinsulin in a biological specimen.   | Proinsulin Measurement                                       |
| C111299  | Proinsulin/Insulin Ratio                  | Proinsulin/Insulin Ratio  | A relative measurement (ratio or percentage) of the proinsulin to insulin in a biological specimen.   | Proinsulin to Insulin Ratio Measurement                      |
| C74870   | Prolactin                                 | Prolactin   | A measurement of the prolactin hormone in a biological specimen.  | Prolactin Measurement  |
| C120646  | Proliferating Cell Nuclear Antigen        | Cyclin;Proliferating Cell Nuclear Antigen   | A measurement of the proliferating cell nuclear antigen in a biological specimen.   | Proliferating Cell Nuclear Antigen Measurement               |
| C127632  | Proliferating Erythroid Cells/Total Cells | Proliferating Erythroid/Total Cells   | A relative measurement (ratio or percentage) of the proliferating erythroid cells to total cells in a biological specimen.  | Proliferating Erythroid Cell to Total Cell Ratio Measurement |
| C127634  | Proliferating Myeloid Cells/Total Cells   | Proliferating Myeloid Cells/Total Cells   | A relative measurement (ratio or percentage) of the proliferating myeloid cells to total cells in a biological specimen.  | Proliferating Myeloid Cell to Total Cell Ratio Measurement   |
| C122141  | Proline                                   | Proline   | A measurement of the proline in a biological specimen.  | Proline Measurement  |
| C74620   | Polymphocytes                             | Polymphocytes   | A measurement of the polymphocytes in a biological specimen.  | Polymphocyte Count   |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym                            | CDISC Definition  | NCI Preferred Term  |
|----------|--|--|---|---|
| C64829   | Polymphocytes/Leukocytes                 | Polymphocytes/Leukocytes                 | A relative measurement (ratio or percentage) of polymphocytes to leukocytes in a biological specimen.   | Polymphocyte to Leukocyte Ratio                           |
| C74651   | Polymphocytes/Lymphocytes                | Polymphocytes/Lymphocytes                | A relative measurement (ratio or percentage) of the polymphocytes to all lymphocytes in a biological specimen.  | Polymphocyte to Lymphocyte Ratio Measurement              |
| C74621   | Promonocytes                             | Promonocytes                             | A measurement of the promonocytes in a biological specimen.   | Promonocyte Count   |
| C74652   | Promonocytes/Leukocytes                  | Promonocytes/Leukocytes                  | A relative measurement (ratio or percentage) of the promonocytes to all leukocytes in a biological specimen.  | Promonocyte to Lymphocyte Ratio Measurement               |
| C117847  | Promyeloblasts                           | Promyeloblasts                           | A measurement of the promyeloblasts in a biological specimen.   | Promyeloblasts Measurement                                |
| C74622   | Promyelocytes                            | Promyelocytes                            | A measurement of the promyelocytes (immature myelocytes) in a biological specimen.  | Promyelocyte Count  |
| C74653   | Promyelocytes/Leukocytes                 | Promyelocytes/Leukocytes                 | A relative measurement (ratio or percentage) of the promyelocytes (immature myelocytes) to all leukocytes in a biological specimen.                                   | Promyelocyte to Lymphocyte Ratio Measurement              |
| C98773   | Promyelocytes/Total Cells                | Promyelocytes/Total Cells                | A relative measurement (ratio or percentage) of the promyelocytes (immature myelocytes) to total cells in a biological specimen (for example a bone marrow specimen). | Promyelocyte to Total Cell Ratio Measurement              |
| C98870   | Pronormoblasts/Total Cells               | Pronormoblasts/Total Cells               | A relative measurement (ratio or percentage) of the pronormoblasts to total cells in a biological specimen (for example a bone marrow specimen).                      | Pronormoblast to Total Cell Ratio Measurement             |
| C74885   | Propoxyphene                             | Propoxyphene                             | A measurement of the propoxyphene present in a biological specimen.   | Propoxyphene Measurement                                  |
| C120647  | Proprotein Convertase Subtilisin/Kexin 9 | Proprotein Convertase Subtilisin/Kexin 9 | A measurement of the proprotein convertase subtilisin/kexin type 9 in a biological specimen.  | Proprotein Convertase Subtilisin/Kexin Type 9 Measurement |
| C103343  | Prostaglandin                            | Prostaglandin                            | A measurement of the total prostaglandin in a biological specimen.  | Prostaglandin Measurement                                 |
| C103431  | Prostaglandin D2                         | Prostaglandin D2                         | A measurement of the prostaglandin D2 in a biological specimen.   | Prostaglandin D2 Measurement                              |
| C103432  | Prostaglandin D2 Synthase                | Prostaglandin D2 Synthase                | A measurement of the prostaglandin D2 synthase in a biological specimen.  | Prostaglandin D2 Synthase Measurement                     |
| C103433  | Prostaglandin E Synthase                 | Prostaglandin E Synthase                 | A measurement of the prostaglandin E synthase in a biological specimen.   | Prostaglandin E Synthase Measurement                      |
| C103434  | Prostaglandin E1                         | Prostaglandin E1                         | A measurement of the prostaglandin E1 in a biological specimen.   | Prostaglandin E1 Measurement                              |
| C103435  | Prostaglandin E2                         | Prostaglandin E2                         | A measurement of the prostaglandin E2 in a biological specimen.   | Prostaglandin E2 Measurement                              |

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| NCI Code | CDISC Submission Value             | CDISC Synonym                               | CDISC Definition  | NCI Preferred Term                                 |
|----------|------------------------------------|---|---|--|
| C10343 6 | Prostaglandin F1 Alpha             | Prostaglandin F1 Alpha                      | A measurement of the prostaglandin F1 alpha in a biological specimen.   | Prostaglandin F1 Alpha Measurement                 |
| C10343 7 | Prostaglandin F2 Alpha             | Prostaglandin F2 Alpha                      | A measurement of the prostaglandin F2 alpha in a biological specimen.   | Prostaglandin F2 Alpha Measurement                 |
| C17634   | Prostate Specific Antigen          | Prostate Specific Antigen                   | A measurement of the prostate specific antigen in a biological specimen.  | Prostate Specific Antigen Measurement              |
| C80204   | Prostatic Acid Phosphatase         | Prostatic Acid Phosphatase                  | A measurement of the prostatic acid phosphatase in a biological specimen.   | Prostatic Acid Phosphatase Measurement             |
| C64858   | Protein                            | Protein                                     | A measurement of the total protein in a biological specimen.  | Total Protein Measurement                          |
| C11784 8 | Protein Excretion Rate             | Protein Excretion Rate                      | A measurement of the amount of total protein being excreted in urine over a defined amount of time (e.g. one hour).   | Total Protein Urine Excretion Rate                 |
| C10043 6 | Protein S                          | Protein S                                   | A measurement of the total protein S in a biological specimen.  | Protein S Measurement                              |
| C12214 2 | Protein S, Free                    | Protein S, Free                             | A measurement of the unbound protein S in a biological specimen.  | Free Protein S Measurement                         |
| C79463   | Protein/Creatinine                 | Protein/Creatinine                          | A relative measurement (ratio or percentage) of the total protein to creatinine in a biological specimen.   | Protein to Creatinine Ratio Measurement            |
| C92240   | Protein/Osmolality                 | Protein/Osmolality;Protein/Osmolality Ratio | A relative measurement (ratio or percentage) of total proteins to the osmolality of a biological specimen.  | Protein to Osmolality Ratio Measurement            |
| C12064 9 | Proteinase 3 Antibody              | Proteinase 3 Antibody                       | A measurement of the proteinase 3 antibody in a biological specimen.  | Proteinase 3 Antibody Measurement                  |
| C98774   | Prothrombin Activity               | Factor II Activity;Prothrombin Activity     | A measurement of the biological activity of prothrombin in a biological specimen.   | Prothrombin Activity Measurement                   |
| C82034   | Prothrombin Fragments 1 + 2        | Prothrombin Fragments 1 + 2                 | A measurement of the prothrombin fragments 1 and 2 in a biological specimen.  | Prothrombin Fragments 1 and 2 Measurement          |
| C64805   | Prothrombin Intl. Normalized Ratio | Prothrombin Intl. Normalized Ratio          | A ratio that represents the prothrombin time for a plasma specimen, divided by the result for a control plasma specimen, further standardized for the International Sensitivity Index of the tissue factor (thromboplastin) used in the test. | International Normalized Ratio of Prothrombin Time |
| C62656   | Prothrombin Time                   | Prothrombin Time                            | A blood clotting measurement that evaluates the extrinsic pathway of coagulation.   | Prothrombin Time                                   |
| C11784 9 | Protozoa                           | Protozoa                                    | Examination of a biological specimen to detect the presence of protozoa in a biological specimen.   | Protozoa Measurement                               |
| C74696   | Pseudoephedrine                    | Pseudoephedrine                             | A measurement of the pseudoephedrine present in a biological specimen.  | Pseudoephedrine Measurement                        |

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|---------------|--|---|--|--|
| NCI Code      | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
| C80211        | Pyridinoline                             | Pyridinoline  | A measurement of the pyridinoline in a biological specimen.  | Pyridinoline Measurement                             |
| C74716        | Rapid Plasma Reagin                      | Rapid Plasma Reagin   | A measurement of the antibodies produced by cellular damage caused by Treponema pallidum (syphilis) in a biological specimen.  | Rapid Plasma Reagin Measurement                      |
| C74772        | RBC Casts                                | RBC Casts   | A measurement of the red blood cell casts present in a biological specimen.  | Red Blood Cell Cast Measurement                      |
| C74629        | Reactive Lymphocytes                     | Reactive Lymphocytes  | A measurement of the reactive lymphocytes (lymphocytes which have become large due to an antigen reaction) in a biological specimen.   | Reactive Lymphocyte Count Measurement                |
| C74654        | Reactive Lymphocytes/Lymphocytes         | Reactive Lymphocytes/Lymphocytes  | A relative measurement (ratio or percentage) of the reactive lymphocytes (lymphocytes which have become large due to an antigen reaction) to all lymphocytes in a biological specimen. | Reactive Lymphocyte to Lymphocyte Ratio Measurement  |
| C12214 6      | Reactive Oxygen Metabolite               | Reactive Oxygen Metabolite  | A measurement of the reactive oxygen metabolite in a biological specimen.  | Reactive Oxygen Metabolite Measurement               |
| C11785 2      | Receptor Activator Nuclear KappaB Ligand | Receptor Activator Nuclear KappaB Ligand;Receptor Activator of Nuclear Kappa-B Ligand | A measurement of the receptor activator of nuclear kappa-B ligand in a biological specimen.  | Receptor Activator Nuclear KappaB Ligand Measurement |
| C81957        | Reg upon Act Normal T-cell Exprd Secrtd  | Chemokine Ligand 5;Reg upon Act Normal T-cell Exprd Secrtd                            | A measurement of the RANTES (regulated on activation, normally, T-cell expressed, and secreted) chemokine in a biological specimen.  | Reg upon Act Normal T-cell Exprd Secrtd Measurement  |
| C12065 6      | Remnant Lipoprotein                      | Remnant Lipoprotein   | A measurement of the remnant lipoproteins in a biological specimen.  | Remnant Lipoprotein Measurement                      |
| C74893        | Renin                                    | Active Renin;Angiotensinogenase;Direct Renin;Renin                                    | A measurement of the renin in a biological specimen.   | Renin Measurement                                    |
| C11130 5      | Renin Activity                           | PRA;Plasma Renin Activity;Renin Activity;URA;Urinary Renin Activity                   | A measurement of the renin activity in a biological specimen.  | Renin Activity Measurement                           |
| C96628        | Reptilase Time                           | Reptilase Time  | A measurement of the time it takes a plasma sample to clot after adding the active enzyme reptilase.   | Reptilase Time Measurement                           |
| C80205        | Resistin                                 | Resistin  | A measurement of the resistin in a biological specimen.  | Resistin Measurement                                 |
| C98776        | Ret. Corpuscular Hemoglobin Content      | CHr;Ret. Corpuscular Hemoglobin Content;Reticulocyte Hemoglobin                       | A measurement of the total amount of hemoglobin in the reticulocyte population.  | Reticulocyte Hemoglobin Measurement                  |
| C11785 5      | Ret. Mean Corpuscular Hemoglobin         | CHCMr;Ret. Mean Corpuscular Hemoglobin  | A measurement of the mean amount of hemoglobin per reticulocyte in a biological specimen.  | Reticulocyte Mean Corpuscular Hemoglobin Measurement |
| C11421 8      | Reticulocyte Distribution Width          | Reticulocyte Distribution Width   | A measurement of the range of reticulocyte sizes in a biological specimen.   | Reticulocyte Distribution Width                      |
| C51947        | Reticulocytes                            | Reticulocytes   | A measurement of the reticulocytes in a biological specimen.   | Reticulocyte Count                                   |

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|-----------------|--|--|---|--|
| C64828          | Reticulocytes/Erythrocytes               | Reticulocytes/Erythrocytes                     | A relative measurement (ratio or percentage) of reticulocytes to erythrocytes in a biological specimen.   | Reticulocyte to Erythrocyte Ratio                    |
| C100437         | Retinol Binding Protein                  | Retinol Binding Protein                        | A measurement of the total retinol binding protein in a biological specimen.  | Retinol Binding Protein Measurement                  |
| C92948          | Rh Factor                                | Rh Factor                                      | A measurement of non-specified Rhesus factor antigen(s) in a biological specimen.   | Rh Factor Measurement                                |
| C125948         | RhD Factor                               | RhD Factor                                     | A measurement of the Rhesus factor D antigen in a biological specimen.  | RhD Factor Measurement                               |
| C74717          | Rheumatoid Factor                        | Rheumatoid Factor                              | A measurement of the rheumatoid factor antibody in a biological specimen.   | Rheumatoid Factor Measurement                        |
| C120652         | Rheumatoid Factor IgA Antibody           | Rheumatoid Factor IgA Antibody                 | A measurement of the rheumatoid factor IgA antibody in a biological specimen.   | Rheumatoid Factor Antibody IgA Measurement           |
| C120653         | Rheumatoid Factor IgG Antibody           | Rheumatoid Factor IgG Antibody                 | A measurement of the rheumatoid factor IgG antibody in a biological specimen.   | Rheumatoid Factor Antibody IgG Measurement           |
| C120654         | Rheumatoid Factor IgM Antibody           | Rheumatoid Factor IgM Antibody                 | A measurement of the rheumatoid factor IgM antibody in a biological specimen.   | Rheumatoid Factor Antibody IgM Measurement           |
| C74898          | Riboflavin                               | Riboflavin;Vitamin B2                          | A measurement of the riboflavin in a biological specimen.   | Vitamin B2 Measurement                               |
| C100457         | Ribonucleoprotein Antibody               | RNP Antibody;Ribonucleoprotein Antibody        | A measurement of the ribonucleoprotein antibody in a biological specimen.   | Ribonucleoprotein Antibody Measurement               |
| C120658         | Ribonucleoprotein Smith Complex Antibody | Ribonucleoprotein Smith Complex Antibody       | A measurement of the ribonucleoprotein Smith complex antibody in a biological specimen.   | Ribonucleoprotein Smith Complex Antibody Measurement |
| C120657         | Ribonucleoprotein-70 Antibody            | Ribonucleoprotein-70 Antibody;snRNP70 Antibody | A measurement of the small nuclear ribonucleoprotein 70 antibody in a biological specimen.  | Ribonucleoprotein-70 Antibody Measurement            |
| C120659         | Ribosomal P Protein Antibody             | Ribosomal P Protein Antibody                   | A measurement of the total ribosomal P protein antibody in a biological specimen.   | Ribosomal P Protein Antibody Measurement             |
| C100419         | Ringed Sideroblasts                      | Ringed Sideroblasts                            | A measurement of the ringed sideroblasts (abnormal nucleated erythroblasts with a large number of iron deposits in the perinuclear mitochondria, forming a ring around the nucleus) in a biological specimen. | Ring Sideroblast Measurement                         |
| C120655         | RLP Cholesterol                          | RLP Cholesterol                                | A measurement of the cholesterol remnant-like particles in a biological specimen.   | Remnant-like Particle Cholesterol Measurement        |
| C122147         | RNA Polymerase III IgG Antibody          | RNA Polymerase III IgG Antibody                | A measurement of the RNA polymerase III IgG antibody in a biological specimen.  | RNA Polymerase III IgG Antibody Measurement          |
| C74624          | Rouleaux Formation                       | Rouleaux Formation                             | A measurement of the number of stacking red blood cells within a biological specimen.   | Rouleaux Formation Count                             |

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| NCI Code | CDISC Submission Value         | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                          |
|----------|--------------------------------|--|---|---|
| C74698   | Round Epithelial Cells         | Round Epithelial Cells   | A measurement of the round epithelial cells present in a biological specimen.   | Round Epithelial Cell Count                 |
| C103440  | Rubella IgG Antibody           | Rubella IgG Antibody   | A measurement of the Rubella IgG antibody in a biological specimen.   | Rubella IgG Antibody Measurement            |
| C112412  | Rubeola IgG Antibody           | Measles IgG Antibody;Rubeola IgG Antibody                                | A measurement of the Measles (Rubeola) virus IgG antibody in a biological specimen.   | Rubeola IgG Antibody Measurement            |
| C112413  | Rubeola IgM Antibody           | Measles IgM Antibody;Rubeola IgM Antibody                                | A measurement of the Measles (Rubeola) virus IgM antibody in a biological specimen.   | Rubeola IgM Antibody Measurement            |
| C127635  | S100 Calcium-Binding Protein B | S100 Calcium-Binding Protein B   | A measure of the S100 calcium-binding protein B in a biological specimen.   | S100 Calcium-Binding Protein B Measurement  |
| C74706   | Schistocytes                   | Schistocytes   | A measurement of the schistocytes (fragmented red blood cells) in a biological specimen.  | Schistocyte Count                           |
| C100458  | Scl-70 Antibody                | Scl-70 Antibody;Scleroderma-70 Antibody                                  | A measurement of the total Scl-70 antibody in a biological specimen.  | Scl-70 Antibody Measurement                 |
| C122148  | Scl-70 IgG Antibody            | Scl-70 IgG Antibody;Scleroderma-70 IgG Antibody                          | A measurement of the Scl-70 IgG antibody in a biological specimen.  | Scl-70 IgG Antibody Measurement             |
| C117857  | Sclerostin                     | Sclerostin   | A measurement of the sclerostin in a biological specimen.   | Sclerostin Measurement                      |
| C74871   | Secretin                       | Secretin   | A measurement of the secretin hormone in a biological specimen.   | Secretin Measurement                        |
| C105744  | Sediment Examination           | Microscopic Sediment Analysis;Sediment Analysis;Sediment Examination     | An observation, assessment or examination of the sediment in a biological specimen.   | Sediment Analysis                           |
| C122149  | Serine                         | Serine   | A measurement of the serine in a biological specimen.   | Serine Measurement                          |
| C74872   | Serotonin                      | Serotonin  | A measurement of the serotonin hormone in a biological specimen.  | Serotonin Measurement                       |
| C74745   | Sex Hormone Binding Globulin   | Sex Hormone Binding Globulin;Sex Hormone Binding Protein                 | A measurement of the sex hormone binding (globulin) protein in a biological specimen.   | Sex Hormone Binding Protein Measurement     |
| C74625   | Sezary Cells                   | Sezary Cells   | A measurement of the Sezary cells (atypical lymphocytes with cerebriform nuclei) in a biological specimen.  | Sezary Cell Count                           |
| C74655   | Sezary Cells/Lymphocytes       | Sezary Cells/Lymphocytes   | A relative measurement (ratio or percentage of the Sezary cells (atypical lymphocytes with cerebriform nuclei) to all lymphocytes in a biological specimen. | Sezary Cell to Lymphocyte Ratio Measurement |
| C114223  | Sialyl SSEA-1 Antigen          | SLex;Sialyl Lewis X Antigen;Sialyl Lex;Sialyl SSEA-1 Antigen;Sialyl-CD15 | A measurement of the sialyl stage-specific embryonic antigen-1 in a biological specimen.  | Sialyl SSEA-1 Antigen Measurement           |
| C74626   | Sickle Cells                   | Sickle Cells   | A measurement of the sickle cells (sickle shaped red blood cells) in a biological specimen.   | Sickle Cell Count                           |

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|-----------------|-------------------------------|---|--|--|
| C74656          | Sickle Cells/Erythrocytes     | Sickle Cells/Erythrocytes   | A relative measurement (ratio or percentage) of the sickle cells (sickle shaped red blood cells) to all erythrocytes in a biological specimen.       | Sickle Cell to Erythrocyte Ratio Measurement |
| C100418         | Sideroblast                   | Sideroblast   | A measurement of the sideroblasts (nucleated erythroblasts with iron granules in the cytoplasm) in a biological specimen.                            | Sideroblast Measurement                      |
| C92236          | Sjogrens SS-A Antibody        | Ro Antibody;Sjogrens SS-A Antibody  | A measurement of the Sjogrens SS-A antibody in a biological specimen.  | Sjogren's SS-A Antibody Measurement          |
| C120661         | Sjogrens SS-A52 Antibody      | Sjogrens SS-A52 Antibody  | A measurement of the Sjogrens SS-A52 antibody in a biological specimen.  | Sjogrens SS-A52 Antibody Measurement         |
| C120662         | Sjogrens SS-A60 Antibody      | Sjogrens SS-A60 Antibody  | A measurement of the Sjogrens SS-A60 antibody in a biological specimen.  | Sjogrens SS-A60 Antibody Measurement         |
| C92237          | Sjogrens SS-B Antibody        | La Antibody;Sjogrens SS-B Antibody  | A measurement of the Sjogrens SS-B antibody in a biological specimen.  | Sjogren's SS-B Antibody Measurement          |
| C92281          | Smith Antibody                | Smith Antibody  | A measurement of the Smith antibody in a biological specimen.  | Smith Antibody Measurement                   |
| C111317         | Smooth Muscle Antibody        | Actin Antibody;Anti-Smooth Muscle Antibody;Smooth Muscle Antibody   | A measurement of the total smooth muscle antibody in a biological specimen.  | Smooth Muscle Antibody Measurement           |
| C122151         | Smooth Muscle IgG Antibody    | Smooth Muscle IgG Antibody  | A measurement of the smooth muscle IgG antibody in a biological specimen.  | Smooth Muscle IgG Antibody Measurement       |
| C74627          | Smudge Cells                  | Basket Cells;Gumprecht Shadow Cells;Shadow Cells;Smudge Cells   | A measurement of the smudge cells (the nuclear remnant of a ruptured white blood cell) in a biological specimen.                                     | Smudge Cell Count                            |
| C119294         | Smudge Cells/Leukocytes       | Basket Cells/Leukocytes;Gumprecht Shadow Cells/Leukocytes;Shadow Cells/Leukocytes;Smudge Cells/Leukocytes | A relative measurement (ratio or percentage) of smudge cells to leukocytes in a biological specimen.   | Smudge Cells to Leukocytes Ratio Measurement |
| C64809          | Sodium                        | Sodium  | A measurement of the sodium in a biological specimen.  | Sodium Measurement                           |
| C106568         | Sodium Clearance              | Sodium Clearance  | A measurement of the volume of serum or plasma that would be cleared of sodium by excretion of urine for a specified unit of time (e.g. one minute). | Sodium Clearance Measurement                 |
| C117856         | Sodium Excretion Rate         | Sodium Excretion Rate   | A measurement of the amount of sodium being excreted in urine over a defined amount of time (e.g. one hour).   | Sodium Urine Excretion Rate                  |
| C79464          | Sodium/Creatinine             | Sodium/Creatinine   | A relative measurement (ratio or percentage) of the sodium to creatinine in a biological specimen.   | Sodium to Creatinine Ratio Measurement       |
| C122137         | Sodium/Potassium              | Sodium/Potassium  | A relative measurement (ratio or percentage) of the sodium to potassium in a biological specimen.  | Sodium to Potassium Ratio Measurement        |
| C119273         | Soluble E-Selectin            | Soluble E-Selectin;sE-selectin  | A measurement of the soluble E-Selectin activity in a biological specimen.   | Soluble E-Selectin Measurement               |



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|-----------------|---|---|---|--|
| C117835         | Soluble Immunoglobulin                  | Soluble Immunoglobulin                  | A measurement of the soluble total immunoglobulin in a biological specimen.                       | Soluble Immunoglobulin Measurement                         |
| C102280         | Soluble Interleukin 2 Receptor Activity | Soluble Interleukin 2 Receptor Activity | A measurement of the soluble interleukin 2 receptor activity in a biological specimen.            | Soluble Interleukin 2 Receptor Activity Measurement        |
| C117837         | Soluble Interleukin 6 Receptor          | Soluble Interleukin 6 Receptor          | A measurement of the soluble interleukin 6 receptor in a biological specimen.                     | Soluble Interleukin 6 Receptor Measurement                 |
| C117836         | Soluble Interleukin-1 Receptor Type I   | Soluble Interleukin-1 Receptor Type I   | A measurement of the soluble interleukin-1 receptor type I in a biological specimen.              | Soluble Interleukin-1 Receptor Type I Measurement          |
| C122150         | Soluble Liver Antigen IgG Antibody      | Soluble Liver Antigen IgG Antibody      | A measurement of the soluble liver antigen IgG antibody in a biological specimen.                 | Soluble Liver Antigen IgG Antibody Measurement             |
| C120650         | Soluble P-Selectin                      | Soluble P-Selectin                      | A measurement of the soluble P-selectin in a biological specimen.                                 | Soluble P-Selectin Measurement                             |
| C117863         | Soluble TNF Receptor Type I             | Soluble TNF Receptor Type I             | A measurement of the soluble tumor necrosis factor receptor type I in a biological specimen.      | Soluble Tumor Necrosis Factor Receptor Type I Measurement  |
| C117864         | Soluble TNF Receptor Type II            | Soluble TNF Receptor Type II            | A measurement of the soluble tumor necrosis factor receptor type II in a biological specimen.     | Soluble Tumor Necrosis Factor Receptor Type II Measurement |
| C100438         | Soluble Transferrin Receptor            | Soluble Transferrin Receptor            | A measurement of the soluble transferrin receptor in a biological specimen.                       | Soluble Transferrin Receptor Measurement                   |
| C117749         | Soluble Tumor Necrosis Factor Receptor  | Soluble Tumor Necrosis Factor Receptor  | A measurement of the total soluble tumor necrosis factor receptor in a biological specimen.       | Soluble Tumor Necrosis Factor Receptor Measurement         |
| C92533          | Soluble Vasc Cell Adhesion Molecule 1   | Soluble Vasc Cell Adhesion Molecule 1   | A measurement of the soluble vascular cell adhesion molecule 1 in a biological specimen.          | Soluble Vascular Cell Adhesion Molecule 1                  |
| C80360          | Somatotrophin                           | Growth Hormone;Somatotrophin            | A measurement of the somatotrophin (growth) hormone in a biological specimen.                     | Somatotrophin Measurement                                  |
| C79465          | Sorbitol Dehydrogenase                  | Sorbitol Dehydrogenase                  | A measurement of the sorbitol dehydrogenase in a biological specimen.                             | Sorbitol Dehydrogenase Measurement                         |
| C64832          | Specific Gravity                        | Specific Gravity                        | A ratio of the density of a fluid to the density of water.  | Specific Gravity   |
| C25377          | Specimen Appearance                     | Specimen Appearance                     | The outward or visible aspect of a specimen.  | Appearance   |
| C106569         | Specimen Weight                         | Specimen Weight                         | A measurement of the weight of a biological specimen.   | Specimen Weight Measurement                                |
| C102281         | Sperm Motility                          | Sperm Motility                          | A measurement of the sperm capable of forward, progressive movement in a semen specimen.          | Sperm Motility Measurement                                 |
| C74663          | Spermatozoa                             | Spermatozoa                             | A measurement of the spermatozoa cells present in a biological specimen.                          | Spermatozoa Cell Count                                     |
| C74707          | Spherocytes                             | Spherocytes                             | A measurement of the spherocytes (small, sphere-shaped red blood cells) in a biological specimen. | Spherocyte Count   |

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| NCI Code | CDISC Submission Value                 | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                 |
|----------|--|---|--|--|
| C120660  | Squamous Cell Carcinoma Antigen        | Squamous Cell Carcinoma Antigen                         | A measurement of the squamous cell carcinoma antigen in a biological specimen.   | Squamous Cell Carcinoma Antigen Measurement        |
| C74773   | Squamous Epithelial Cells              | Squamous Epithelial Cells                               | A measurement of the squamous epithelial cells present in a biological specimen.   | Squamous Epithelial Cell Count                     |
| C74774   | Squamous Transitional Epithelial Cells | Epithelial Cells;Squamous Transitional Epithelial Cells | A measurement of the squamous transitional epithelial cells present in a biological specimen.  | Squamous Transitional Epithelial Cell Count        |
| C81951   | Starch Crystals                        | Starch Crystals   | A measurement of the starch crystals in a biological specimen.   | Starch Crystal Measurement                         |
| C82035   | Stem Cell Factor                       | KIT Ligand;Stem Cell Factor                             | A measurement of the stem cell factor in a biological specimen.  | Stem Cell Factor Measurement                       |
| C74708   | Stomatocytes                           | Stomatocytes  | A measurement of the stomatocytes (red blood cells with an oval or rectangular area of central pallor, producing the appearance of a cell mouth) in a biological specimen. | Stomatocyte Count                                  |
| C122152  | Streptococcus pneumoniae Antigen       | Streptococcus pneumoniae Antigen                        | A measurement of the Streptococcus pneumoniae antigen in a biological specimen.  | Streptococcus pneumoniae Antigen Measurement       |
| C92282   | Streptolysin O Antibody                | Antistreptolysin O;Streptolysin O Antibody              | A measurement of Streptolysin O Antibody in a biological specimen.   | Streptolysin O Antibody Measurement                |
| C117858  | Strongyloides IgG Antibody             | Strongyloides IgG Antibody                              | A measurement of strongyloides IgG antibody in a biological specimen.  | Strongyloides IgG Antibody Measurement             |
| C74755   | Sulfa Crystals                         | Sulfa Crystals  | A measurement of the sulfa crystals present in a biological specimen.  | Sulfa Crystal Measurement                          |
| C122153  | Sulfate                                | Sulfate;Sulphate  | A measurement of the sulfate in a biological specimen.   | Sulfate Measurement                                |
| C114224  | Sulfur Dioxide                         | Sulfur Dioxide  | A measurement of the sulfur dioxide in a biological specimen.  | Sulfur Dioxide Measurement                         |
| C111322  | Surfactant Protein D                   | SP-D;Surfactant Protein D                               | A measurement of the surfactant protein D in a biological specimen.  | Surfactant Protein D Measurement                   |
| C122157  | T-Lymphocytes                          | T-Lymphocytes   | A measurement of the total thymocyte-derived lymphocytes in a biological specimen.   | T-Lymphocyte Count                                 |
| C96636   | Target Cells                           | Codocytes;Leptocytes;Mexican Hat Cells;Target Cells     | A measurement of the target cells in a biological specimen.  | Target Cell Count                                  |
| C117865  | Tartrate-Resistant Acid Phosphatase 5b | TRAP5B;Tartrate-Resistant Acid Phosphatase 5b           | A measurement of tartrate-resistant acid phosphatase 5b in a biological specimen.  | Tartrate-Resistant Acid Phosphatase 5b Measurement |
| C84810   | Tau Protein                            | Tau Protein;Total Tau Protein                           | A measurement of the total Tau protein in a biological specimen.   | Tau Protein Measurement                            |
| C122154  | Taurine                                | Tauric Acid;Taurine                                     | A measurement of the taurine in a biological specimen.   | Taurine Measurement                                |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
|----------|--|--|---|---|
| C117859  | Terminal Deoxynucleotidyl Transferase Ag | Terminal Deoxynucleotidyl Transferase Ag;Terminal Deoxynucleotidyl Transferase Antigen | A measurement of the terminal deoxynucleotidyl transferase antigen in a biological specimen.  | Terminal Deoxynucleotidyl Transferase Antigen Measurement |
| C74793   | Testosterone                             | Testosterone;Total Testosterone  | A measurement of the total (free and bound) testosterone in a biological specimen.  | Total Testosterone Measurement                            |
| C74785   | Testosterone, Free                       | Testosterone, Free   | A measurement of the free testosterone in a biological specimen.  | Free Testosterone Measurement                             |
| C105445  | Theophylline                             | Theophylline   | A measurement of the Theophylline present in a biological specimen.   | Theophylline Measurement                                  |
| C74896   | Thiamine                                 | Thiamine;Vitamin B1  | A measurement of the thiamine in a biological specimen.   | Vitamin B1 Measurement                                    |
| C122156  | Threonine                                | Threonine  | A measurement of the threonine in a biological specimen.  | Threonine Measurement                                     |
| C80365   | Thrombin Time                            | Thrombin Time  | A measurement of the time it takes a plasma sample to clot after adding the active enzyme thrombin. (NCI)   | Thrombin Time   |
| C106574  | Thrombin/Antithrombin                    | Thrombin/Antithrombin;Thrombin/Antithrombin III  | A relative measurement (ratio or percentage) of the thrombin to antithrombin present in a sample.   | Thrombin to Antithrombin Ratio Measurement                |
| C111283  | Thrombocytes                             | Nucleated Thrombocytes;Thrombocytes  | A measurement of the nucleated platelets, namely thrombocytes, in a biological specimen. This is typically measured in birds and other non-mammalian vertebrates. | Nucleated Thrombocyte Count                               |
| C74873   | Thrombopoietin                           | Thrombopoietin   | A measurement of the thrombopoietin hormone in a biological specimen.   | Thrombopoietin Measurement                                |
| C103445  | Thromboxane B2                           | Thromboxane B2   | A measurement of the thromboxane B2 in a biological specimen.   | Thromboxane B2 Measurement                                |
| C120665  | Thymidine Kinase                         | Thymidine Kinase   | A measurement of the thymidine kinase in a biological specimen.   | Thymidine Kinase Measurement                              |
| C103446  | Thyroglobulin                            | TG;Thyroglobulin   | A measurement of the thyroglobulin in a biological specimen.  | Thyroglobulin Measurement                                 |
| C81990   | Thyroid Antibodies                       | Thyroid Antibodies   | A measurement of the thyroid antibodies in a biological specimen.   | Thyroid Antibody Measurement                              |
| C81991   | Thyroid Antimicrosomal Antibodies        | Thyroid Antimicrosomal Antibodies  | A measurement of the thyroid antimicrosomal antibodies in a biological specimen.  | Thyroid Antimicrosomal Antibody Measurement               |
| C81992   | Thyroid Antithyroglobulin Antibodies     | Thyroid Antithyroglobulin Antibodies   | A measurement of the thyroid antithyroglobulin antibodies in a biological specimen.   | Thyroid Antithyroglobulin Antibody Measurement            |
| C96639   | Thyroperoxidase                          | Thyroid Peroxidase;Thyroperoxidase   | A measurement of the thyroperoxidase in a biological specimen.  | Thyroperoxidase Measurement                               |
| C96638   | Thyroperoxidase Antibody                 | Thyroperoxidase Antibody   | A measurement of the thyroperoxidase antibody in a biological specimen.   | Thyroperoxidase Antibody Measurement                      |
| C64813   | Thyrotropin                              | Thyroid Stimulating Hormone;Thyrotropin  | A measurement of the thyrotropin in a biological specimen.  | Thyrotropin Measurement                                   |

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| NCI Code | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
|----------|--|--|--|---|
| C12215 8 | Thyrotropin Receptor Antibody            | Thyroid Stimulating Hormone Receptor Antibody;Thyrotropin Receptor Antibody          | A measurement of the thyrotropin receptor antibody in a biological specimen.   | Thyroid Stimulating Hormone Receptor Antibody Measurement               |
| C74874   | Thyrotropin Releasing Hormone            | Thyrotropin Releasing Factor;Thyrotropin Releasing Hormone                           | A measurement of the thyrotropin releasing hormone in a biological specimen.   | Thyrotropin Releasing Hormone Measurement                               |
| C74794   | Thyroxine                                | Thyroxine;Total T4   | A measurement of the total (free and bound) thyroxine in a biological specimen.  | Total Thyroxine Measurement   |
| C74746   | Thyroxine Binding Globulin               | Thyroxine Binding Globulin   | A measurement of the thyroxine binding globulin protein in a biological specimen.  | Thyroxine Binding Globulin Protein Measurement                          |
| C74786   | Thyroxine, Free                          | Free T4;Thyroxine, Free  | A measurement of the free thyroxine in a biological specimen.  | Free Thyroxine Measurement  |
| C12066 4 | Thyroxine, Free, Indirect                | Thyroxine, Free, Indirect  | An indirect measurement of the free thyroxine in a biological specimen.  | Indirect Free Thyroxine Measurement                                     |
| C10657 5 | TIMP1/Creatinine                         | TIMP1/Creatinine;Tissue Inhibitor of Metalloproteinase 1/Creatinine                  | A relative measurement (ratio or percentage) of the tissue inhibitor of metalloproteinase 1 to creatinine present in a sample. | Tissue Inhibitor of Metalloproteinase 1 to Creatinine Ratio Measurement |
| C82036   | Tissue Inhibitor of Metalloproteinase 1  | Tissue Inhibitor of Metalloproteinase 1  | A measurement of the tissue inhibitor of metalloproteinase 1 in a biological specimen.   | Tissue Inhibitor of Metalloproteinase 1 Measurement                     |
| C81993   | Tissue Plasminogen Activator Antigen     | Tissue Plasminogen Activator Antigen   | A measurement of the tissue plasminogen activator antigen in a biological specimen.  | Tissue Plasminogen Activator Antigen Measurement                        |
| C11786 2 | TNF-a Production Inhibitory Activity     | TNF-a Production Inhibitory Activity   | A measurement of TNF-a production inhibitory activity in a biological specimen.  | TNF-a Production Inhibitory Activity Measurement                        |
| C11926 9 | Total Amyloid Precursor Protein          | Total Amyloid Precursor Protein  | A measurement of the total amyloid precursor protein present in a biological specimen.   | Total Amyloid Precursor Protein Measurement                             |
| C74718   | Total Iron Binding Capacity              | Total Iron Binding Capacity  | A measurement of the amount of iron needed to fully saturate the transferrin in a biological specimen.                         | Total Iron Binding Capacity   |
| C80208   | Total Radical-Trap Antioxidant Potential | Total Radical-Trap Antioxidant Potential   | A measurement of the ability of the antioxidants in a biological specimen to buffer free radicals in a suspension.             | Total Radical-Trap Antioxidant Potential Measurement                    |
| C96641   | Toxic Granulation                        | Toxic Granulation  | A measurement of the toxic granulation in granulocytic blood cells.  | Toxic Granulation Measurement   |
| C12781 3 | Toxic Vacuolation                        | Toxic Vacuolation  | A measurement of the toxic vacuolation in any of the granulocytic blood cells.   | Toxic Vacuolation Assessment  |
| C82037   | Transferrin                              | Transferrin  | A measurement of the total transferrin in a biological specimen.   | Transferrin Measurement   |
| C98792   | Transferrin Saturation                   | Iron Binding Capacity Saturation;Iron Saturation;Iron to TIBC;Transferrin Saturation | A measurement of the iron bound to transferrin in a biological specimen.   | Transferrin Saturation Measurement                                      |
| C12215 5 | Transforming Growth Factor Beta          | Transforming Growth Factor Beta  | A measurement of the total transforming growth factor beta in a biological specimen.   | Transforming Growth Factor Beta Measurement                             |

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| NCI Code | CDISC Submission Value            | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                 |
|----------|-----------------------------------|---|---|--|
| C11786 1 | Transforming Growth Factor Beta 1 | Transforming Growth Factor Beta 1                       | A measurement of the transforming growth factor beta 1 in a biological specimen.  | Transforming Growth Factor Beta 1 Measurement      |
| C92251   | Transitional Epithelial Cells     | Transitional Epithelial Cells                           | A measurement of the transitional epithelial cells present in a biological specimen.  | Transitional Epithelial Cells Measurement          |
| C92238   | Trichomonas                       | Trichomonas   | Examination of a biological specimen to detect the presence of any protozoan belonging to the Trichomonas genus.                    | Trichomonas Screening                              |
| C10042 0 | Tricyclic Antidepressants         | Tricyclic Antidepressants                               | A measurement of tricyclic antidepressants in a biological specimen.  | Tricyclic Antidepressant Measurement               |
| C64812   | Triglycerides                     | Triglycerides   | A measurement of the triglycerides in a biological specimen.  | Triglyceride Measurement                           |
| C12118 3 | Triglycerides/HDL Cholesterol     | Triglycerides/HDL Cholesterol                           | A relative measurement (ratio or percentage) of the triglycerides to high density lipoprotein cholesterol in a biological specimen. | Triglycerides to HDL Cholesterol Ratio Measurement |
| C74747   | Triiodothyronine                  | Total T3;Triiodothyronine                               | A measurement of the total (free and bound) triiodothyronine in a biological specimen.  | Triiodothyronine Measurement                       |
| C74748   | Triiodothyronine Uptake           | Triiodothyronine Uptake                                 | A measurement of the binding of triiodothyronine to thyroxine binding globulin protein in a biological specimen.                    | Triiodothyronine Uptake Measurement                |
| C74787   | Triiodothyronine, Free            | Free T3;Triiodothyronine, Free                          | A measurement of the free triiodothyronine in a biological specimen.  | Free Triiodothyronine Measurement                  |
| C81968   | Triiodothyronine, Reverse         | Triiodothyronine, Reverse                               | A measurement of the reverse triiodothyronine in a biological specimen.   | Reverse Triiodothyronine Measurement               |
| C74756   | Triple Phosphate Crystals         | Triple Phosphate Crystals                               | A measurement of the triple phosphate crystals present in a biological specimen.  | Triple Phosphate Crystal Measurement               |
| C11132 7 | Troponin                          | Troponin  | A measurement of the total troponin in a biological specimen.   | Troponin Measurement                               |
| C74749   | Troponin I                        | Troponin I  | A measurement of the actin binding troponin in a biological specimen.   | Troponin I Measurement                             |
| C12763 6 | Troponin I Type 2                 | Troponin I Type 2                                       | A measurement of the troponin I type 2 (fast twitch skeletal muscle) in a biological specimen.                                      | Troponin I Type 2 Measurement                      |
| C74750   | Troponin T                        | Troponin T  | A measurement of the tropomyosin binding troponin in a biological specimen.   | Troponin T Measurement                             |
| C92292   | Tryptase                          | Tryptase  | A measurement of the tryptase in a biological specimen.   | Tryptase Measurement                               |
| C74775   | Tubular Epithelial Cells          | Renal Tubular Epithelial Cells;Tubular Epithelial Cells | A measurement of the tubular epithelial cells present in a biological specimen.   | Tubular Epithelial Cell Count                      |
| C74751   | Tumor Necrosis Factor             | Tumor Necrosis Factor;Tumor Necrosis Factor alpha       | A measurement of the total tumor necrosis factor (cachexin) cytokine in a biological specimen.                                      | Tumor Necrosis Factor Measurement                  |

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| NCI Code    | CDISC Submission Value                | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
|-------------|---------------------------------------|---|---|---|
| C12066<br>6 | Tumor Necrosis Factor Receptor 1      | CD120a;Tumor Necrosis Factor Receptor 1                               | A measurement of the tumor necrosis factor receptor 1 (CD120a) in a biological specimen.                                    | Tumor Necrosis Factor Receptor 1 Measurement                    |
| C74723      | Turbidity                             | Turbidity   | A measurement of the opacity of a biological specimen.  | Turbidity Measurement   |
| C82038      | Type I Collagen C-Telopeptides        | Type I Collagen C-Telopeptides;Type I Collagen X-linked C-telopeptide | A measurement of the type I collagen C-telopeptides in a biological specimen.   | Type I Collagen C-Telopeptide Measurement                       |
| C12761<br>3 | Type I Collagen C-Telopeptides/Creat  | Type I Collagen C-Telopeptides/Creat                                  | A relative measurement (ratio or percentage) of the type I collagen C-telopeptides to creatinine in a biological specimen.  | Type I Collagen C-Telopeptide to Creatinine Ratio Measurement   |
| C82039      | Type I Collagen N-Telopeptides        | Type I Collagen N-Telopeptides  | A measurement of the type I collagen N-telopeptides in a biological specimen.   | Type I Collagen N-Telopeptide Measurement                       |
| C92283      | Type I Myeloblasts                    | Type I Myeloblasts  | A measurement of type I myeloblast cells per unit of a biological specimen.   | Type I Myeloblasts Measurement                                  |
| C82040      | Type II Collagen C-Telopeptides       | Type II Collagen C-Telopeptides                                       | A measurement of the type II collagen C-telopeptides in a biological specimen.  | Type II Collagen C-Telopeptide Measurement                      |
| C12211<br>3 | Type II Collagen C-Telopeptides/Creat | Type II Collagen C-Telopeptides/Creat                                 | A relative measurement (ratio or percentage) of the type II collagen C-telopeptides to creatinine in a biological specimen. | Type II Collagen C-Telopeptides to Creatinine Ratio Measurement |
| C82041      | Type II Collagen N-Telopeptides       | Type II Collagen N-Telopeptides                                       | A measurement of the type II collagen N-telopeptides in a biological specimen.  | Type II Collagen N-Telopeptide Measurement                      |
| C92284      | Type II Myeloblasts                   | Type II Myeloblasts   | A measurement of type II myeloblast cells per unit of a biological specimen.  | Type II Myeloblasts Measurement                                 |
| C12066<br>3 | Type II Secretory Phospholipase A2    | Type II Secretory Phospholipase A2                                    | A measurement of the type II secretory phospholipase A2 in a biological specimen.   | Type II Secretory Phospholipase A2 Measurement                  |
| C92285      | Type III Myeloblasts                  | Type III Myeloblasts  | A measurement of type III myeloblast cells per unit of a biological specimen.   | Type III Myeloblasts Measurement                                |
| C12215<br>9 | Tyrosine                              | Tyrosine  | A measurement of the tyrosine in a biological specimen.   | Tyrosine Measurement  |
| C74683      | Tyrosine Crystals                     | Tyrosine Crystals   | A measurement of the tyrosine crystals present in a biological specimen.  | Tyrosine Crystal Measurement                                    |
| C74776      | Unclassified Casts                    | Unclassified Casts  | A measurement of the unclassifiable casts present in a biological specimen.   | Unclassified Cast Measurement                                   |
| C74757      | Unclassified Crystals                 | Unclassified Crystals   | A measurement of the unclassifiable crystals present in a biological specimen.  | Unclassified Crystal Measurement                                |
| C74719      | Unsaturated Iron Binding Capacity     | Unsaturated Iron Binding Capacity                                     | A measurement of the binding capacity of unsaturated iron in a biological specimen.   | Unsaturated Iron Binding Capacity Measurement                   |
| C11224<br>1 | Unspecified Cells                     | Unspecified Cells   | A measurement of the cells not otherwise identified or specified in a biological specimen.                                  | Count of Unspecified Cells                                      |

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| NCI Code | CDISC Submission Value              | CDISC Synonym                             | CDISC Definition   | NCI Preferred Term                                   |
|----------|-------------------------------------|---|--|--|
| C114225  | Unspecified Cells/Total Cells       | Unspecified Cells/Total Cells             | A relative measurement (ratio or percentage) of the cells not otherwise identified or specified to total cells in a biological specimen. | Unspecified Cells to Total Cell Ratio Measurement    |
| C64814   | Urate                               | Urate;Uric Acid                           | A measurement of the urate in a biological specimen.   | Urate Measurement                                    |
| C117866  | Urate/Creatinine                    | Urate/Creatinine                          | A relative measurement (ratio or percentage) of the urate to creatinine in a biological specimen.  | Urate to Creatinine Ratio Measurement                |
| C64815   | Urea                                | Urea                                      | A measurement of the urea in a biological specimen.  | Urea Measurement                                     |
| C125949  | Urea Nitrogen                       | Urea Nitrogen                             | A measurement of the urea nitrogen in a biological specimen.   | Urea Nitrogen Measurement                            |
| C125950  | Urea Nitrogen/Creatinine            | Urea Nitrogen/Creatinine                  | A relative measurement (ratio or percentage) of the urea nitrogen to creatinine in a biological specimen.                                | Urea Nitrogen to Creatinine Ratio Measurement        |
| C96645   | Urea/Creatinine                     | Urea/Creatinine                           | A relative measurement (ratio or percentage) of the urea to creatinine in a biological specimen.   | Urea to Creatinine Ratio Measurement                 |
| C74684   | Uric Acid Crystals                  | Uric Acid Crystals                        | A measurement of the uric acid crystals present in a biological specimen.  | Uric Acid Crystal Measurement                        |
| C102282  | Urine Conductivity                  | Urine Conductivity                        | A measurement of the urine conductivity which is a non-linear function of the electrolyte concentration in the urine.                    | Urine Conductivity                                   |
| C64816   | Urobilinogen                        | Urobilinogen                              | A measurement of the urobilinogen in a biological specimen.  | Urobilinogen Measurement                             |
| C111329  | Vacuolated Lymphocytes              | Vacuolated Lymphocytes                    | A measurement of the vacuolated lymphocytes in a biological specimen.  | Vacuolated Lymphocyte Count                          |
| C127627  | Vacuolated Lymphocytes/Leukocytes   | Vacuolated Lymphocytes/Leukocytes         | A relative measurement (ratio or percentage) of the vacuolated lymphocytes to leukocytes in a biological specimen.                       | Vacuolated Lymphocyte to Leukocyte Ratio Measurement |
| C74628   | Vacuolated Neutrophils              | Vacuolated Neutrophils                    | A measurement of the neutrophils containing small vacuoles in a biological specimen.   | Vacuolated Neutrophil Count                          |
| C122160  | Valine                              | Valine                                    | A measurement of the valine in a biological specimen.  | Valine Measurement                                   |
| C74875   | Vanillyl Mandelic Acid              | Vanillyl Mandelic Acid;Vanilmandelic Acid | A measurement of the vanillyl mandelic acid metabolite in a biological specimen.   | Vanillyl Mandelic Acid Measurement                   |
| C117867  | Varicella Zoster Virus Antibody     | Varicella Zoster Virus Antibody           | A measurement of the total varicella zoster virus antibody in a biological specimen.   | Varicella Zoster Virus Antibody Measurement          |
| C98795   | Varicella Zoster Virus IgA Antibody | Varicella Zoster Virus IgA Antibody       | A measurement of the Varicella Zoster virus IgA antibodies in a biological specimen.   | Varicella Zoster Virus IgA Antibody Measurement      |
| C98796   | Varicella Zoster Virus IgG Antibody | Varicella Zoster Virus IgG Antibody       | A measurement of the Varicella Zoster virus IgG antibodies in a biological specimen.   | Varicella Zoster Virus IgG Antibody Measurement      |

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| NCI Code | CDISC Submission Value              | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term                                   |
|----------|-------------------------------------|---|--|--|
| C98797   | Varicella Zoster Virus IgM Antibody | Varicella Zoster Virus IgM Antibody     | A measurement of the Varicella Zoster virus IgM antibodies in a biological specimen.                     | Varicella Zoster Virus IgM Antibody Measurement      |
| C82042   | Vascular Cell Adhesion Molecule 1   | Vascular Cell Adhesion Molecule 1       | A measurement of the vascular cell adhesion molecule 1 in a biological specimen.                         | Vascular Cell Adhesion Molecule 1 Measurement        |
| C92514   | Vascular Endothelial Growth Factor  | Vascular Endothelial Growth Factor      | A measurement of the vascular endothelial growth factor in a biological specimen.                        | Vascular Endothelial Growth Factor Measurement       |
| C75912   | Viscosity                           | Viscosity                               | The resistance of a liquid to shear forces and flow. (NCI)   | Viscosity  |
| C74895   | Vitamin A                           | Retinol;Vitamin A                       | A measurement of the Vitamin A in a biological specimen.   | Vitamin A Measurement                                |
| C64817   | Vitamin B12                         | Vitamin B12                             | A measurement of the Vitamin B12 in a serum specimen.  | Vitamin B12 Measurement                              |
| C74897   | Vitamin B17                         | Amygdalin;Vitamin B17                   | A measurement of the Vitamin B17 in a biological specimen.   | Vitamin B17 Measurement                              |
| C74900   | Vitamin B5                          | Pantothenic Acid;Vitamin B5             | A measurement of the Vitamin B5 in a biological specimen.  | Vitamin B5 Measurement                               |
| C74901   | Vitamin B6                          | Pyridoxine;Vitamin B6                   | A measurement of the Vitamin B6 in a biological specimen.  | Vitamin B6 Measurement                               |
| C74902   | Vitamin B7                          | Biotin;Vitamin B7                       | A measurement of the Vitamin B7 in a biological specimen.  | Vitamin B7 Measurement                               |
| C74676   | Vitamin B9                          | Folic Acid;Vitamin B9                   | A measurement of the folic acid in a biological specimen.  | Folic Acid Measurement                               |
| C74903   | Vitamin C                           | Ascorbic Acid;Vitamin C                 | A measurement of the Vitamin C in a biological specimen.   | Vitamin C Measurement                                |
| C84818   | Vitamin D                           | Total Vitamin D;Vitamin D               | A measurement of the total Vitamin D in a biological specimen.   | Vitamin D Measurement                                |
| C74904   | Vitamin D2                          | Ergocalciferol;Vitamin D2               | A measurement of the Vitamin D2 in a biological specimen.  | Vitamin D2 Measurement                               |
| C74905   | Vitamin D3                          | Cholecalciferol;Vitamin D3              | A measurement of the Vitamin D3 in a biological specimen.  | Vitamin D3 Measurement                               |
| C74906   | Vitamin E                           | Vitamin E                               | A measurement of the Vitamin E in a biological specimen.   | Vitamin E Measurement                                |
| C10344 8 | Vitamin E/Cholesterol               | Vitamin E/Cholesterol                   | A relative measurement (ratio or percentage) of vitamin E to total cholesterol in a biological specimen. | Vitamin E to Cholesterol Ratio Measurement           |
| C74907   | Vitamin K                           | Naphthoquinone;Vitamin K                | A measurement of the total Vitamin K in a biological specimen.   | Vitamin K Measurement                                |
| C10344 9 | Vitamin K1                          | Phylloquinone;Phytomenadione;Vitamin K1 | A measurement of the Vitamin K1 in a biological specimen.  | Vitamin K1 Measurement                               |
| C10558 9 | VLDL Cholesterol                    | VLDL Cholesterol                        | A measurement of the very low density lipoprotein cholesterol in a biological specimen.                  | Very Low Density Lipoprotein Cholesterol Measurement |



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| NCI Code | CDISC Submission Value          | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                          |
|----------|---------------------------------|---|---|---|
| C120667  | VLDL Cholesterol Subtype 1      | VLDL Cholesterol Subtype 1  | A measurement of the very low density lipoprotein cholesterol subtype 1 in a biological specimen.       | VLDL Cholesterol Subtype 1 Measurement      |
| C120668  | VLDL Cholesterol Subtype 2      | VLDL Cholesterol Subtype 2  | A measurement of the very low density lipoprotein cholesterol subtype 2 in a biological specimen.       | VLDL Cholesterol Subtype 2 Measurement      |
| C120669  | VLDL Cholesterol Subtype 3      | VLDL Cholesterol Subtype 3  | A measurement of the very low density lipoprotein cholesterol subtype 3 in a biological specimen.       | VLDL Cholesterol Subtype 3 Measurement      |
| C103450  | VLDL Particle Size              | VLDL Particle Size  | A measurement of the average particle size of very-low-density lipoprotein in a biological specimen.    | VLDL Particle Size Measurement              |
| C74720   | Volume                          | Volume  | A measurement of the volume of a biological specimen.   | Volume Measurement                          |
| C98799   | von Willebrand Factor           | von Willebrand Factor;von Willebrand Factor Antigen                         | A measurement of the von Willebrand coagulation factor in a biological specimen.                        | von Willebrand Factor Measurement           |
| C122117  | von Willebrand Factor Activity  | von Willebrand Factor Activity  | A measurement of the biological activity of von Willebrand coagulation factor in a biological specimen. | von Willebrand Factor Activity Measurement  |
| C74777   | Waxy Casts                      | Waxy Casts  | A measurement of the waxy casts present in a biological specimen.                                       | Waxy Cell Cast Measurement                  |
| C74778   | WBC Casts                       | WBC Casts   | A measurement of the white blood cell casts present in a biological specimen.                           | White Blood Cell Cast Measurement           |
| C127637  | WD Repeat-Containing Protein 26 | CDW2;MIP2;Macrophage Inflammatory Protein-2;WD Repeat-Containing Protein 26 | A measurement of the WD repeat-containing protein 26 in a biological specimen.                          | WD Repeat-Containing Protein 26 Measurement |
| C106504  | Yeast Budding                   | Budding Yeast;Yeast Budding   | A measurement of the budding yeast present in a biological specimen.                                    | Budding Yeast Measurement                   |
| C74664   | Yeast Cells                     | Yeast Cells   | A measurement of the yeast cells present in a biological specimen.                                      | Yeast Cell Measurement                      |
| C92239   | Yeast Hyphae                    | Yeast Hyphae  | A measurement of the yeast hyphae present in a biological specimen.                                     | Yeast Hyphae Screening                      |
| C80210   | Zinc                            | Zinc  | A measurement of the zinc in a biological specimen.   | Zinc Measurement                            |

## LBTESTCD (Laboratory Test Code)

NCI Code: C65047, Codelist extensible: Yes

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                      | CDISC Definition  | NCI Preferred Term                                    |
| C100429         | A1AGLP                 | Alpha-1 Acid Glycoprotein                          | A measurement of the alpha-1 acid glycoprotein in a biological specimen.  | Alpha-1 Acid Glycoprotein Measurement                 |
| C80167          | A1ANTRYP               | Alpha-1 Antitrypsin;Serum Trypsin Inhibitor        | A measurement of the alpha-1 antitrypsin in a biological specimen.  | Alpha-1 Antitrypsin Measurement                       |
| C100462         | A1MCREAT               | Alpha-1 Microglobulin/Creatinine                   | A relative measurement (ratio or percentage) of the alpha-1 microglobulin to creatinine in a biological specimen.                                 | Alpha-1 Microglobulin to Creatinine Ratio Measurement |
| C100461         | A1MICG                 | Alpha-1 Microglobulin;Protein HC                   | A measurement of the alpha-1 microglobulin in a biological specimen.  | Alpha-1 Microglobulin Measurement                     |
| C80168          | A2MACG                 | Alpha-2 Macroglobulin                              | A measurement of the alpha-2 macroglobulin in a biological specimen.  | Alpha-2 Macroglobulin Measurement                     |
| C100430         | AAP                    | Alanine Aminopeptidase                             | A measurement of the alanine aminopeptidase in a biological specimen.   | Alanine Aminopeptidase Measurement                    |
| C111124         | ABNCE                  | Abnormal Cells                                     | A measurement of the abnormal cells in a biological specimen.   | Abnormal Cell Count                                   |
| C125939         | ABO                    | ABO Blood Group                                    | The characterization of the blood type of an individual by testing for the presence of A antigen and B antigen on the surface of red blood cells. | ABO Blood Group Determination                         |
| C74699          | ACANT                  | Acanthocytes                                       | A measurement of the acanthocytes in a biological specimen.   | Acanthocyte Count                                     |
| C74633          | ACANTRBC               | Acanthocytes/Erythrocytes                          | A relative measurement (ratio or percentage) of acanthocytes to all erythrocytes in a biological specimen.  | Acanthocyte to Erythrocyte Ratio Measurement          |
| C80169          | ACE                    | Angiotensin Converting Enzyme                      | A measurement of the angiotensin converting enzyme in a biological specimen.  | Angiotensin Converting Enzyme Measurement             |
| C92247          | ACETOAC                | Acetoacetate;Acetoacetic Acid                      | A measurement of the acetoacetic acid in a biological specimen.   | Acetoacetic Acid Measurement                          |
| C74838          | ACH                    | Acetylcholine                                      | A measurement of the acetylcholine hormone in a biological specimen.  | Acetylcholine Measurement                             |
| C96560          | ACHE                   | Acetylcholinesterase                               | A measurement of the acetylcholinesterase in a biological specimen.   | Acetylcholinesterase Measurement                      |
| C96559          | ACHRAB                 | Acetylcholine Receptor Antibody                    | A measurement of the acetylcholine receptor antibody in a biological specimen.  | Acetylcholine Receptor Antibody Measurement           |
| C80163          | ACPHOS                 | Acid Phosphatase                                   | A measurement of the acid phosphatase in a biological specimen.   | Acid Phosphatase Measurement                          |
| C103348         | ACT                    | Activated Clotting Time;Activated Coagulation Time | A measurement of the inhibition of blood coagulation in response to anticoagulant therapies.  | Activated Coagulation Time                            |
| C74780          | ACTH                   | Adrenocorticotrophic Hormone                       | A measurement of the adrenocorticotrophic hormone in a biological specimen.   | Adrenocorticotrophic Hormone Measurement              |

| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C92286          | ACYLCAOX               | Acyl CoA Oxidase;Acyl Coenzyme A Oxidase;Fatty Acyl Coenzyme A Oxidase | A measurement of the acyl coenzyme A oxidase in a biological specimen.   | Acyl Coenzyme A Oxidase Measurement                               |
| C111125         | ADENOVAB               | Adenovirus Antibody  | A measurement of the adenovirus antibody in a biological specimen.   | Adenovirus Antibody Measurement                                   |
| C74847          | ADH                    | Antidiuretic Hormone;Vasopressin                                       | A measurement of the antidiuretic hormone in a biological specimen.  | Antidiuretic Hormone Measurement                                  |
| C102257         | ADP                    | Adenosine Diphosphate  | A measurement of the adenosine diphosphate in a biological specimen.   | Adenosine Diphosphate Measurement                                 |
| C74839          | ADPNCTN                | Adiponectin  | A measurement of the adiponectin hormone in a biological specimen.   | Adiponectin Measurement   |
| C74913          | ADSDNA                 | Anti-Double Stranded DNA   | A measurement of the anti-double stranded DNA antibody in a biological specimen.   | Anti-Double Stranded DNA Measurement                              |
| C98705          | ADVVLDD                | ADV Viral Load   | A measurement of the adenovirus viral load in a biological specimen.   | Adenovirus Viral Load Measurement                                 |
| C98706          | AFACTXAA               | Anti-Factor Xa Activity  | A measurement of the ability of antithrombin to inactivate activated Factor X in a biological specimen. This test is used to monitor low molecular weight or unfractionated heparin levels in a biological specimen. | Anti-Factor Xa Activity Measurement                               |
| C74732          | AFP                    | Alpha Fetoprotein  | A measurement of the alpha fetoprotein in a biological specimen.   | Alpha-fetoprotein Measurement                                     |
| C106499         | AFPA                   | Alpha Fetoprotein Activity   | A measurement of the alpha fetoprotein activity in a biological specimen.  | Alpha Fetoprotein Activity Measurement                            |
| C96562          | AFPL1                  | Alpha Fetoprotein L1   | A measurement of the alpha fetoprotein L1 in a biological specimen.  | Alpha Fetoprotein L1 Measurement                                  |
| C96563          | AFPL2                  | Alpha Fetoprotein L2   | A measurement of the alpha fetoprotein L2 in a biological specimen.  | Alpha Fetoprotein L2 Measurement                                  |
| C96564          | AFPL3                  | Alpha Fetoprotein L3   | A measurement of the alpha fetoprotein L3 in a biological specimen.  | Alpha Fetoprotein L3 Measurement                                  |
| C96565          | AFPL3AFP               | A Fetoprotein L3/A Fetoprotein   | A relative measurement (ratio or percentage) of alpha fetoprotein L3 to total alpha fetoprotein in a biological specimen.  | Alpha Fetoprotein L3 to Total Alpha Fetoprotein Ratio Measurement |
| C124334         | AG1_5                  | 1,5-Anhydroglucitol  | A measurement of the 1,5-anhydroglucitol in a biological specimen.   | 1,5-Anhydroglucitol Measurement                                   |
| C111126         | AHBDH                  | Alpha Hydroxybutyrate Dehydrogenase                                    | A measurement of the alpha-hydroxybutyrate dehydrogenase in a biological specimen.   | Alpha Hydroxybutyrate Dehydrogenase Measurement                   |
| C122091         | ALA                    | Alanine  | A measurement of the alanine in a biological specimen.   | Alanine Measurement   |
| C64431          | ALB                    | Albumin;Microalbumin   | A measurement of the albumin protein in a biological specimen.   | Albumin Measurement   |
| C74761          | ALBCREAT               | Albumin/Creatinine;Microalbumin/Creatinine Ratio                       | A relative measurement (ratio) of the albumin to the creatinine in a biological specimen.  | Albumin To Creatinine Protein Ratio Measurement                   |

| C65047 LBTESTCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term   |
| C117829         | ALBEXR                 | Albumin Excretion Rate                              | A measurement of the amount of albumin being excreted in urine over a defined period of time (e.g. one hour).                               | Albumin Urine Excretion Rate   |
| C74894          | ALBGLOB                | Albumin/Globulin                                    | The ratio of albumin to globulin in a biological specimen.  | Albumin to Globulin Ratio Measurement                                    |
| C122092         | ALBGLYCA               | Glycated Albumin                                    | A measurement of the glycated albumin present in a biological specimen.   | Glycated Albumin Measurement   |
| C103453         | ALBPROT                | Albumin/Total Protein                               | A relative measurement (ratio or percentage) of the albumin to total protein in a biological specimen.                                      | Albumin to Total Protein Ratio Measurement                               |
| C74731          | ALDOLASE               | Aldolase  | A measurement of the aldolase enzyme in a biological specimen.  | Aldolase Measurement   |
| C74841          | ALDSTRN                | Aldosterone   | A measurement of the aldosterone hormone in a biological specimen.  | Aldosterone Measurement  |
| C64432          | ALP                    | Alkaline Phosphatase                                | A measurement of the alkaline phosphatase in a biological specimen.   | Alkaline Phosphatase Measurement   |
| C92287          | ALPBS                  | Bone Specific Alkaline Phosphatase                  | A measurement of the bone specific alkaline phosphatase isoform in a biological specimen.   | Bone Specific Alkaline Phosphatase Measurement                           |
| C79438          | ALPCREAT               | Alkaline Phosphatase/Creatinine                     | A relative measurement (ratio or percentage) of the alkaline phosphatase to creatinine in a biological specimen.                            | Alkaline Phosphatase to Creatinine Ratio Measurement                     |
| C119266         | ALPIS                  | Intestinal Specific Alkaline Phosphatase            | A measurement of the intestinal specific alkaline phosphatase isoform in a biological specimen.   | Intestinal Specific Alkaline Phosphatase Measurement                     |
| C119267         | ALPLS                  | Liver Specific Alkaline Phosphatase                 | A measurement of the liver specific alkaline phosphatase isoform in a biological specimen.  | Liver Specific Alkaline Phosphatase Measurement                          |
| C64433          | ALT                    | Alanine Aminotransferase;SGPT                       | A measurement of the alanine aminotransferase in a biological specimen.   | Alanine Aminotransferase Measurement                                     |
| C106498         | ALTAST                 | ALT/AST   | A relative measurement (ratio or percentage) of the alanine aminotransferase (ALT) to aspartate aminotransferase (AST) present in a sample. | Alanine Aminotransferase to Aspartate Aminotransferase Ratio Measurement |
| C103349         | ALTCPHRL               | Alpha Tocopherol                                    | A measurement of the alpha tocopherol in a biological specimen.   | Alpha Tocopherol Measurement   |
| C111127         | ALUMINUM               | Al;Aluminum   | A measurement of aluminum in a biological specimen.   | Aluminum Measurement   |
| C81975          | AMA                    | Antimitochondrial Antibodies;Mitochondrial Antibody | A measurement of the antimitochondrial antibodies in a biological specimen.   | Antimitochondrial Antibody Measurement                                   |
| C120625         | AMH                    | Anti-Mullerian Hormone                              | A measurement of the anti-Mullerian hormone in a biological specimen.   | Anti-Mullerian Hormone Measurement                                       |
| C74799          | AMMONIA                | Ammonia;NH3   | A measurement of the ammonia in a biological specimen.  | Ammonia Measurement  |
| C74666          | AMORPHSD               | Amorphous Debris;Amorphous Sediment                 | A measurement of the amorphous sediment present in a biological specimen.   | Amorphous Sediment Measurement   |

| C65047 LBTESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                               |
| C74687          | AMPHET                 | Amphetamine   | A measurement of any amphetamine class drug present in a biological specimen.  | Amphetamine Drug Class Measurement               |
| C102262         | AMPHETD                | Dextroamphetamine;d-amphetamine                           | A measurement of the dextroamphetamine in a biological specimen.   | Dextroamphetamine Measurement                    |
| C64434          | AMYLASE                | Amylase   | A measurement of the total enzyme amylase in a biological specimen.  | Amylase Measurement                              |
| C111243         | AMYLASEM               | Macroamylase  | A measurement of macroamylase in a biological specimen.  | Macroamylase Measurement                         |
| C98767          | AMYLASEP               | Amylase, Pancreatic                                       | A measurement of the pancreatic enzyme amylase in a biological specimen.   | Pancreatic Amylase Measurement                   |
| C98780          | AMYLASES               | Amylase, Salivary   | A measurement of the salivary enzyme amylase in a biological specimen.   | Salivary Amylase Measurement                     |
| C103352         | AMYLB38                | Amyloid Beta 1-38;Amyloid Beta 38;Amyloid Beta 38 Protein | A measurement of amyloid beta protein which is composed of peptides 1 to 38 in a biological specimen.                      | Amyloid Beta 1-38 Measurement                    |
| C103353         | AMYLB40                | Amyloid Beta 1-40;Amyloid Beta 40;Amyloid Beta 40 Protein | A measurement of amyloid beta protein which is composed of peptides 1 to 40 in a biological specimen.                      | Amyloid Beta 1-40 Measurement                    |
| C84809          | AMYLB42                | Amyloid Beta 1-42;Amyloid Beta 42;Amyloid Beta 42 Protein | A measurement of amyloid beta protein which is composed of peptides 1 to 42 in a biological specimen.                      | Beta Amyloid 42 Measurement                      |
| C125940         | AMYLOIDA               | Amyloid A;Serum Amyloid A                                 | A measurement of the total amyloid a (official name is Serum Amyloid A) in a biological specimen.                          | Amyloid A Measurement                            |
| C81999          | AMYLOIDB               | Amyloid, Beta;Beta Amyloid                                | A measurement of the total amyloid beta in a biological specimen.  | Beta Amyloid Measurement                         |
| C81998          | AMYLOIDP               | Amyloid P   | A measurement of the total amyloid P in a biological specimen.   | Amyloid P Measurement                            |
| C74916          | ANA                    | Antinuclear Antibodies                                    | A measurement of the total antinuclear antibodies (antibodies that attack the body's own tissue) in a biological specimen. | Antinuclear Antibody Measurement                 |
| C122093         | ANAIGGAB               | Antinuclear IgG Antibody                                  | A measurement of the antinuclear IgG antibody in a biological specimen.  | Antinuclear IgG Antibody Measurement             |
| C120626         | ANCAB                  | Anti-Neutrophil Cytoplasmic Antibody                      | A measurement of the anti-neutrophil cytoplasmic antibody in a biological specimen.  | Anti-Neutrophil Cytoplasmic Antibody Measurement |
| C74842          | ANDSTNDL               | Androstenediol  | A measurement of the androstenediol metabolite in a biological specimen.   | Androstenediol Metabolite Measurement            |
| C74843          | ANDSTNDN               | 4-Androstenedione;Androstenedione                         | A measurement of the androstenedione hormone in a biological specimen.   | Androstenedione Measurement                      |
| C91372          | ANGLBIND               | Antiglobulin Test, Indirect;Indirect Coombs Test          | A test that uses Coombs' reagent to detect the presence of anti-erythrocyte antibodies in a biological specimen.           | Indirect Antiglobulin Test                       |

| C65047 LBTESTCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                         |
| C81974          | ANGLOBDR               | Antiglobulin Test, Direct;Direct Coombs Test                                  | A measurement of the antibody or complement-coated erythrocytes in a biological specimen in vivo.                             | Direct Antiglobulin Test                   |
| C111128         | ANGPT1                 | Angiopietin 1   | A measurement of angiopietin 1 in a biological specimen.  | Angiopietin 1 Measurement                  |
| C74844          | ANGTNS1                | Angiotensin I   | A measurement of the angiotensin I hormone in a biological specimen.  | Angiotensin I Measurement                  |
| C74845          | ANGTNS2                | Angiotensin II  | A measurement of the angiotensin II hormone in a biological specimen.   | Angiotensin II Measurement                 |
| C74846          | ANGTNSGN               | Angiotensin Precursor;Angiotensinogen   | A measurement of the angiotensinogen hormone in a biological specimen.  | Angiotensinogen Measurement                |
| C74685          | ANIONG                 | Anion Gap   | A computed estimate of the unmeasured anions (those other than the chloride and bicarbonate anions) in a biological specimen. | Anion Gap Measurement                      |
| C74797          | ANISO                  | Anisocytes;Anisocytosis   | A measurement of the variability in the size of the red blood cells in a whole blood specimen.                                | Anisocyte Measurement                      |
| C74886          | ANP                    | Atrial Natriuretic Peptide;Atriopeptin  | A measurement of the atrial natriuretic peptide in a biological specimen.   | Atrial Natriuretic Peptide Measurement     |
| C81958          | ANTHRM                 | Antithrombin;Antithrombin Activity;Antithrombin III;Antithrombin III Activity | A measurement of the antithrombin activity in a biological specimen.  | Antithrombin Activity Measurement          |
| C81977          | ANTHRMAG               | Antithrombin Antigen;Antithrombin III Antigen                                 | A measurement of the antithrombin antigen in a biological specimen.   | Antithrombin Antigen Measurement           |
| C74691          | ANTIDPRS               | Antidepressants   | A measurement of any antidepressant class drug present in a biological specimen.  | Antidepressant Measurement                 |
| C120627         | ANUAB                  | Anti-Nucleosome Antibody  | A measurement of the anti-nucleosome antibody in a biological specimen.   | Anti-Nucleosome Antibody Measurement       |
| C102258         | APLAB                  | Antiphospholipid Antibodies   | A measurement of the total antiphospholipid antibodies in a biological specimen.  | Antiphospholipid Antibody Measurement      |
| C124335         | APLIGGAB               | Anti-Phospholipid IgG Antibody  | A measurement of the antiphospholipid IgG antibody in a biological specimen.  | Anti-Phospholipid IgG Antibody Measurement |
| C124336         | APLIGMAB               | Anti-Phospholipid IgM Antibody  | A measurement of the antiphospholipid IgM antibody in a biological specimen.  | Anti-Phospholipid IgM Antibody Measurement |
| C103351         | APLSMA2                | Alpha-2 Antiplasmin;Alpha-2 Plasmin Inhibitor                                 | A measurement of the alpha-2 antiplasmin in a biological specimen.  | Alpha-2 Antiplasmin Measurement            |
| C122094         | APLSMA2A               | Alpha-2 Antiplasmin Activity  | A measurement of the alpha-2 antiplasmin activity in a biological specimen.   | Alpha-2 Antiplasmin Activity Measurement   |
| C124337         | APOA                   | Apolipoprotein A  | A measurement of the total apolipoprotein A in a biological specimen.   | Apolipoprotein A Measurement               |
| C74733          | APOA1                  | Apolipoprotein A1   | A measurement of the apolipoprotein A1 in a biological specimen.  | Apolipoprotein A1 Measurement              |
| C82000          | APOA2                  | Apolipoprotein AII  | A measurement of the apolipoprotein AII in a biological specimen.   | Apolipoprotein AII Measurement             |

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                      |
| C103354         | APOA4                  | Apolipoprotein A4  | A measurement of the apolipoprotein A4 in a biological specimen.  | Apolipoprotein A4 Measurement                           |
| C103355         | APOA5                  | Apolipoprotein A5  | A measurement of the apolipoprotein A5 in a biological specimen.  | Apolipoprotein A5 Measurement                           |
| C74734          | APOB                   | Apolipoprotein B   | A measurement of the total apolipoprotein B in a biological specimen.   | Apolipoprotein B Measurement                            |
| C120628         | APOB100                | Apolipoprotein B100  | A measurement of the apolipoprotein B100 in a biological specimen.  | Apolipoprotein B100 Measurement                         |
| C120629         | APOB48                 | Apolipoprotein B48   | A measurement of the apolipoprotein B48 in a biological specimen.   | Apolipoprotein B48 Measurement                          |
| C103356         | APOBAPA1               | Apolipoprotein B/Apolipoprotein A1   | A relative measurement (ratio or percentage) of the Apolipoprotein B to Apolipoprotein A1 in a biological specimen. | Apolipoprotein B to Apolipoprotein A1 Ratio Measurement |
| C120630         | APOC1                  | Apolipoprotein CI  | A measurement of the apolipoprotein CI in a biological specimen.  | Apolipoprotein CI Measurement                           |
| C100427         | APOC2                  | Apolipoprotein C2;Apolipoprotein CII   | A measurement of the apolipoprotein C2 in a biological specimen.  | Apolipoprotein C2 Measurement                           |
| C82001          | APOC3                  | Apolipoprotein CIII  | A measurement of the apolipoprotein CIII in a biological specimen.  | Apolipoprotein CIII Measurement                         |
| C82002          | APOE                   | Apolipoprotein E   | A measurement of the apolipoprotein E in a biological specimen.   | Apolipoprotein E Measurement                            |
| C92293          | APOE4                  | Apolipoprotein E4  | A measurement of the apolipoprotein E4 in a biological specimen.  | Apolipoprotein E4 Measurement                           |
| C82003          | APOH                   | Apolipoprotein H   | A measurement of the apolipoprotein H in a biological specimen.   | Apolipoprotein H Measurement                            |
| C100428         | APOJ                   | Apolipoprotein J;Clusterin   | A measurement of the apolipoprotein J in a biological specimen.   | Apolipoprotein J Measurement                            |
| C111130         | APOJCRT                | Apolipoprotein J/Creatinine;Clusterin/Creatinine   | A relative measurement (ratio or percentage) of the apolipoprotein J to creatinine in a biological specimen.        | Apolipoprotein J to Creatinine Ratio Measurement        |
| C119268         | APPA                   | Amyloid Alpha Precursor Protein  | A measurement of the amyloid alpha precursor protein present in a biological specimen.                              | Amyloid Alpha Precursor Protein Measurement             |
| C105438         | APPB                   | Amyloid Beta Precursor;Amyloid Beta Precursor Protein;Amyloid Precursor Beta;Amyloid Precursor Protein | A measurement of the amyloid beta precursor protein present in a biological specimen.                               | Amyloid Beta Precursor Protein Measurement              |
| C25377          | APPEAR                 | Specimen Appearance  | The outward or visible aspect of a specimen.  | Appearance  |
| C119269         | APPT                   | Total Amyloid Precursor Protein  | A measurement of the total amyloid precursor protein present in a biological specimen.                              | Total Amyloid Precursor Protein Measurement             |
| C111123         | APRIL                  | A Proliferation-Inducing Ligand;CD256;TNFSF13;Tumor Necrosis Factor Ligand Superfamily Member 13       | A measurement of the a proliferation-inducing ligand in a biological specimen.                                      | A Proliferation-Inducing Ligand Measurement             |

| C65047 LBTESTCD |                        |  |   |  |
|-----------------|------------------------|--|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C100471         | APROTCRS               | Activated Protein C Resistance;Factor V Leiden Screen  | A measurement of the resistance in the anticoagulation response to activated protein C in a biological specimen.  | Activated Protein C Resistance Measurement                 |
| C38462          | APTT                   | Activated Partial Thromboplastin Time  | A measurement of the length of time that it takes for clotting to occur when reagents are added to a plasma specimen. The test is partial due to the absence of tissue factor (Factor III) from the reaction mixture. | Partial Thromboplastin Time                                |
| C102277         | APTTLAS                | APTT-LA;Lupus Anticoagulant Sensitive APTT   | A measurement of the length of time that it takes for clotting to occur when a lupus sensitive reagent is added to a plasma specimen.   | Lupus Anticoagulant Sensitive APTT Measurement             |
| C98862          | APTTSTND               | Activated PTT/Standard;Activated PTT/Standard PTT;Activated Partial Thromboplastin Time/Standard Thromboplastin Time | A relative measurement (ratio or percentage) of the subject's partial thromboplastin time to a standard or control partial thromboplastin time.   | Activated PTT/Standard Ratio Measurement                   |
| C102259         | ARA                    | Arachidonic Acid   | A measurement of the arachidonic acid present in a biological specimen.   | Arachidonic Acid Measurement                               |
| C122095         | ARG                    | Arginine   | A measurement of the arginine in a biological specimen.   | Arginine Measurement                                       |
| C124338         | ARR                    | Aldosterone/Renin Activity   | A relative measurement (ratio) of the aldosterone to renin activity in a biological specimen.   | Aldosterone to Renin Activity Ratio Measurement            |
| C81976          | ASCAB                  | Anti-Saccharomyces cerevisiae Antibody   | A measurement of the anti-Saccharomyces cerevisiae antibody in a biological specimen.   | Anti-Saccharomyces cerevisiae Antibody Measurement         |
| C122096         | ASN                    | Asparagine   | A measurement of the asparagine in a biological specimen.   | Asparagine Measurement                                     |
| C122097         | ASP                    | Aspartate;Aspartic Acid  | A measurement of the aspartic acid in a biological specimen.  | Aspartic Acid Measurement                                  |
| C92269          | ASSDNA                 | Anti-Single Stranded DNA IgG   | A measurement of the anti-single stranded DNA IgG antibody in a biological specimen.  | Anti-Single Stranded DNA IgG Measurement                   |
| C64467          | AST                    | Aspartate Aminotransferase;SGOT  | A measurement of the aspartate aminotransferase in a biological specimen.   | Aspartate Aminotransferase Measurement                     |
| C81978          | ASTAG                  | Aspartate Aminotransferase Antigen;SGOT Antigen  | A measurement of the aspartate aminotransferase antigen in a biological specimen.   | Aspartate Aminotransferase Antigen Measurement             |
| C117830         | ASTCREAT               | Aspartate Aminotransferase/Creatinine  | A relative measurement (ratio or percentage) of the aspartate aminotransferase to creatinine in a biological specimen.  | Aspartate Aminotransferase to Creatinine Ratio Measurement |
| C103350         | ATPVITE                | Alpha Tocopherol/Vitamin E   | A relative measurement (ratio or percentage) of alpha-tocopherol to the total vitamin E in a biological specimen.   | Alpha Tocopherol to Vitamin E Ratio Measurement            |



| C65047 LBTESTCD |                        |  |   |  |
|-----------------|------------------------|--|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                | CDISC Definition  | NCI Preferred Term                                   |
| C74657          | AUERRODS               | Auer Rods                                    | A measurement of the Auer rods (elongated needle structures that are found in the cytoplasm of leukemic blasts and are formed by clumps of azurophilic granular material) in a biological specimen. | Auer Rod Measurement                                 |
| C116185         | AZURGRAN               | Azurophilic Granulation;Azurophilic Granules | An observation of azurophilic granules in a biological specimen.  | Azurophilic Granule Measurement                      |
| C127607         | B1BGLP                 | Beta-1B Glycoprotein;HPX;Hemopexin           | A measurement of the beta-1B glycoprotein in a biological specimen.   | Beta-1B Glycoprotein Measurement                     |
| C103358         | B2G1GGAB               | Beta-2 Glycoprotein 1 IgG Antibody           | A measurement of the Beta-2 glycoprotein 1 IgG antibodies in a biological specimen.   | Beta-2 Glycoprotein 1 IgG Antibody Measurement       |
| C103359         | B2G1GMAB               | Beta-2 Glycoprotein 1 IgM Antibody           | A measurement of the Beta-2 glycoprotein 1 IgM antibodies in a biological specimen.   | Beta-2 Glycoprotein 1 IgM Antibody Measurement       |
| C81979          | B2GLYAB                | Beta-2 Glycoprotein Antibody                 | A measurement of the beta-2 glycoprotein antibody in a biological specimen.   | Beta-2 Glycoprotein Antibody Measurement             |
| C127608         | B2MCREAT               | Beta-2 Microglobulin/Creatinine              | A relative measurement (ratio) of the beta-2 microglobulin to creatinine in a biological specimen.  | Beta-2 Microglobulin to Creatinine Ratio Measurement |
| C81980          | B2MICG                 | Beta-2 Microglobulin                         | A measurement of the beta-2 microglobulin in a biological specimen.   | Beta-2 Microglobulin Measurement                     |
| C64469          | BACT                   | Bacteria                                     | A measurement of the bacteria in a biological specimen.   | Bacterial Count                                      |
| C111135         | BAFF                   | B-Cell Activating Factor                     | A measurement of the B-cell activating factor in a biological specimen.   | B-Cell Activating Factor Measurement                 |
| C74688          | BARB                   | Barbiturates                                 | A measurement of any barbiturate class drug present in a biological specimen.   | Barbiturate Drug Class Measurement                   |
| C119270         | BASEEXCS               | Base Excess                                  | A measurement of the amount of acid or alkali required to return a biological specimen to a normal pH under standard conditions.  | Base Excess Measurement                              |
| C64470          | BASO                   | Basophils                                    | A measurement of the basophils in a biological specimen.  | Total Basophil Count                                 |
| C98865          | BASOCE                 | Basophils/Total Cells                        | A relative measurement (ratio or percentage) of the basophils to total cells in a biological specimen (for example a bone marrow specimen).   | Basophil to Total Cell Ratio Measurement             |
| C96670          | BASOIM                 | Immature Basophils                           | A measurement of the immature basophils in a biological specimen.   | Immature Basophil Count                              |
| C96671          | BASOIMLE               | Immature Basophils/Leukocytes                | A relative measurement (ratio or percentage) of immature basophils to total leukocytes in a biological specimen.  | Immature Basophil to Leukocyte Ratio Measurement     |
| C64471          | BASOLE                 | Basophils/Leukocytes                         | A relative measurement (ratio or percentage) of the basophils to leukocytes in a biological specimen.   | Basophil to Leukocyte Ratio                          |
| C122098         | BBRAB                  | Borrelia burgdorferi Antibody;Lyme Antibody  | A measurement of the total Borrelia burgdorferi antibody in a biological specimen.  | Borrelia burgdorferi Antibody Measurement            |

| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                            |
| C122099         | BBRIGAAB               | Borrelia burgdorferi IgA Antibody; Lyme IgA Antibody       | A measurement of the Borrelia burgdorferi IgA antibody in a biological specimen.   | Borrelia burgdorferi IgA Antibody Measurement |
| C122100         | BBRIGGAB               | Borrelia burgdorferi IgG Antibody; Lyme IgG Antibody       | A measurement of the Borrelia burgdorferi IgG antibody in a biological specimen.   | Borrelia burgdorferi IgG Antibody Measurement |
| C122101         | BBRIGMAB               | Borrelia burgdorferi IgM Antibody; Lyme IgM Antibody       | A measurement of the Borrelia burgdorferi IgM antibody in a biological specimen.   | Borrelia burgdorferi IgM Antibody Measurement |
| C123455         | BCEFUNCTN              | Beta-cell Function   | A measurement of the beta cell function (insulin production and secretion) in a biological specimen.   | Beta-cell Function Measurement                |
| C122102         | BD2                    | Beta-defensin 2  | A measurement of the beta-defensin 2 in a biological specimen.   | Beta-defensin 2 Measurement                   |
| C82004          | BDNF                   | Brain-Derived Neurotrophic Factor                          | A measurement of the brain-derived neurotrophic factor in a biological specimen.   | Brain-Derived Neurotrophic Factor Measurement |
| C100472         | BETACRTN               | Beta Carotene; Beta Carotin; b-Carotene                    | A measurement of the beta carotene in a biological specimen.   | Beta Carotene Measurement                     |
| C96568          | BHYXBTR                | 3-Hydroxybutyrate; B-Hydroxybutyrate; Beta-Hydroxybutyrate | A measurement of the total Beta-hydroxybutyrate in a biological specimen.  | Beta-Hydroxybutyrate Measurement              |
| C74667          | BICARB                 | Bicarbonate; HCO3  | A measurement of the bicarbonate in a biological specimen.   | Bicarbonate Measurement                       |
| C64481          | BILDIR                 | Direct Bilirubin   | A measurement of the conjugated or water-soluble bilirubin in a biological specimen.   | Direct Bilirubin Measurement                  |
| C74800          | BILEAC                 | Bile Acid; Bile Acids; Bile Salt; Bile Salts               | A measurement of the total bile acids in a biological specimen.  | Bile Acid Measurement                         |
| C38037          | BILI                   | Bilirubin; Total Bilirubin                                 | A measurement of the total bilirubin in a biological specimen.   | Total Bilirubin Measurement                   |
| C64483          | BILIND                 | Indirect Bilirubin   | A measurement of the unconjugated or non-water-soluble bilirubin in a biological specimen.   | Indirect Bilirubin Measurement                |
| C74700          | BITECE                 | Bite Cells   | A measurement of the bite cells (erythrocytes with the appearance of a bite having been removed, due to oxidative hemolysis) in a biological specimen. | Bite Cell Count                               |
| C111136         | BJPROT                 | Bence-Jones Protein; Immunoglobulin Light Chains           | A measurement of the total Bence-Jones protein in a biological specimen.   | Bence-Jones Protein Measurement               |
| C98710          | BKVVL                  | BKV Viral Load   | A measurement of the BK virus viral load in a biological specimen.   | BK Virus Viral Load Measurement               |
| C74605          | BLAST                  | Blasts   | A measurement of the blast cells in a biological specimen.   | Blast Count                                   |
| C103407         | BLASTIMM               | Immunoblastic Lymphocytes; Immunoblasts                    | A measurement of the immunoblasts in a biological specimen.  | Immunoblast Count                             |
| C64487          | BLASTLE                | Blasts/Leukocytes  | A relative measurement (ratio or percentage) of the blasts to leukocytes in a biological specimen.   | Blast to Leukocyte Ratio                      |

| C65047 LBTESTCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                             |
| C74630          | BLASTLM                | Leukemic Blasts   | A measurement of the leukemic blasts (lymphoblasts that remain in an immature state even when outside the bone marrow) in a biological specimen.  | Leukemic Blast Count                           |
| C89775          | BLEEDT                 | Bleeding Time;Clotting Time Homeostasis                         | A measurement of the time from the start to cessation of an induced bleed.  | Bleeding Time                                  |
| C127609         | BLISTCE                | Blister Cell  | A measurement of the blister cells in a biological specimen.  | Blister Cell Count                             |
| C106535         | BLSTIMLY               | Immunoblasts/Lymphocytes;Lymphocytes, Immunoblastic/Lymphocytes | A relative measurement (ratio or percentage) of immunoblasts to all lymphocytes present in a sample.  | Immunoblasts to Lymphocytes Ratio Measurement  |
| C74641          | BLSTLMLY               | Leukemic Blasts/Lymphocytes                                     | A relative measurement (ratio or percentage) of the leukemic blasts (immature lymphoblasts) to mature lymphocytes in a biological specimen.   | Leukemic Blast to Lymphocyte Ratio Measurement |
| C102278         | BLSTLY                 | Lymphoblasts  | A measurement of the lymphoblasts (immature cells that differentiate to form lymphocytes) in a biological specimen.   | Lymphoblast Count                              |
| C105444         | BLSTLYLE               | Lymphoblasts/Leukocytes   | A relative measurement (ratio or percentage) of the lymphoblasts to leukocytes in a biological specimen.  | Lymphoblast to Leukocyte Ratio Measurement     |
| C98761          | BLSTMBCE               | Myeloblasts/Total Cells   | A relative measurement (ratio or percentage) of the myeloblasts to total cells in a biological specimen (for example a bone marrow specimen).   | Myeloblast to Total Cell Ratio Measurement     |
| C98752          | BLSTMGK                | Megakaryoblasts   | A measurement of the megakaryoblasts in a biological specimen.  | Megakaryoblast Cell Count                      |
| C98753          | BLSTMKCE               | Megakaryoblasts/Total Cells                                     | A relative measurement (ratio or percentage) of the megakaryoblasts to total cells in a biological specimen (for example a bone marrow specimen).   | Megakaryoblast to Total Cell Ratio Measurement |
| C98764          | BLSTNMCE               | Normoblasts/Total Cells   | A relative measurement (ratio or percentage) of the normoblasts to total cells in a biological specimen (for example a bone marrow specimen).   | Normoblast to Total Cell Ratio Measurement     |
| C98870          | BLSTPNCE               | Pronormoblasts/Total Cells                                      | A relative measurement (ratio or percentage) of the pronormoblasts to total cells in a biological specimen (for example a bone marrow specimen).  | Pronormoblast to Total Cell Ratio Measurement  |
| C100419         | BLSTRSID               | Ringed Sideroblasts   | A measurement of the ringed sideroblasts (abnormal nucleated erythroblasts with a large number of iron deposits in the perinuclear mitochondria, forming a ring around the nucleus) in a biological specimen. | Ring Sideroblast Measurement                   |
| C100418         | BLSTSID                | Sideroblast   | A measurement of the sideroblasts (nucleated erythroblasts with iron granules in the cytoplasm) in a biological specimen.   | Sideroblast Measurement                        |

| C65047 LBTESTCD |                        |   |   |   |
|-----------------|------------------------|---|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C74735          | BNP                    | B-Type Natriuretic Peptide;Brain Natriuretic Peptide  | A measurement of the brain (B-type) natriuretic peptide in a biological specimen.   | Brain Natriuretic Peptide Measurement                             |
| C82032          | BNPPRO                 | Pro-Brain Natriuretic Peptide;ProB-type Natriuretic Peptide;proBNP  | A measurement of the proB-type natriuretic peptide in a biological specimen.  | ProB-Type Natriuretic Peptide Measurement                         |
| C96610          | BNPPRONT               | N-Terminal ProB-type Natriuretic Peptide;N-terminal pro-Brain Natriuretic Peptide;NT proBNP II                            | A measurement of the N-terminal proB-type natriuretic peptide in a biological specimen.   | N-Terminal ProB-type Natriuretic Peptide Measurement              |
| C74692          | BNZDZPN                | Benzodiazepine  | A measurement of any benzodiazepine class drug present in a biological specimen.  | Benzodiazepine Measurement  |
| C75350          | BNZLCGN                | Benzoylecgonine;Cocaine Metabolite  | A measurement of the benzoylecgonine in a biological specimen.  | Benzoylecgonine Measurement                                       |
| C120631         | BPIAB                  | BPI Auto-antibody;Bactericidal/Permeability-Inc Protein Ab  | A measurement of the bactericidal/permeability-increasing protein antibody in a biological specimen.  | Bactericidal/Permeability-Increasing Protein Antibody Measurement |
| C74634          | BTECERBC               | Bite Cells/Erythrocytes   | A relative measurement (ratio or percentage) of bite cells (erythrocytes with the appearance of a bite having been removed, due to oxidative hemolysis) to all erythrocytes in a biological specimen. | Bite Cell to Erythrocyte Ratio Measurement                        |
| C100426         | BTP                    | Beta-Trace Protein  | A measurement of the beta-trace protein in a biological specimen.   | Beta-Trace Protein Measurement                                    |
| C111142         | BUCHE                  | Acylcholine<br>Acylhydrolase;Butyrylcholinesterase;Non-neuronal Cholinesterase;Plasma Cholinesterase;Pseudocholinesterase | A measurement of the total butyrylcholinesterase in a biological specimen.  | Butyrylcholinesterase Measurement                                 |
| C75352          | BUPREN                 | Buprenorphine   | A measurement of the buprenorphine drug present in a biological specimen.   | Buprenorphine Measurement   |
| C74701          | BURRCE                 | Burr Cells;Keratocytes  | A measurement of the Burr cells (erythrocytes characterized by the presence of small, blunt projections evenly distributed across the cell surface) in a biological specimen.                         | Burr Cell Count   |
| C80173          | C1QAB                  | Complement C1q Antibody   | A measurement of the complement C1q antibody in a biological specimen.  | Complement C1q Antibody Measurement                               |
| C80174          | C3                     | Complement C3   | A measurement of the complement C3 in a biological specimen.  | Complement C3 Measurement   |
| C80175          | C3A                    | ASP, Complement C3 DesArg, Acetylation-stimulating Protein;Complement C3a   | A measurement of the complement C3a in a biological specimen.   | Complement C3a Measurement  |
| C80176          | C3B                    | Complement C3b  | A measurement of the complement C3b in a biological specimen.   | Complement C3b Measurement  |
| C119271         | C3DAB                  | Complement C3d Antibody   | A measurement of the complement C3d antibody in a biological specimen.  | Complement C3d Antibody Measurement                               |
| C80177          | C4                     | Complement C4   | A measurement of the complement C4 in a biological specimen.  | Complement C4 Measurement   |
| C80178          | C4A                    | Complement C4a  | A measurement of the complement C4a in a biological specimen.   | Complement C4a Measurement  |

| C65047 LBTESTCD |                        |   |   |   |
|-----------------|------------------------|---|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                      |
| C127610         | C4D                    | Complement C4d  | A measurement of the complement C4d in a biological specimen.   | Complement C4d Measurement              |
| C80179          | C5A                    | Complement C5a  | A measurement of the complement C5a in a biological specimen.   | Complement C5a Measurement              |
| C64488          | CA                     | Calcium   | A measurement of the calcium in a biological specimen.  | Calcium Measurement                     |
| C79089          | CA125AG                | Cancer Antigen 125                                    | A measurement of the cancer antigen 125 in a biological specimen.   | CA-125 Measurement                      |
| C103362         | CA15_3AG               | Cancer Antigen 15-3                                   | A measurement of the cancer antigen 15-3 in a biological specimen.  | Cancer Antigen 15-3 Measurement         |
| C81982          | CA19_9AG               | Cancer Antigen 19-9                                   | A measurement of the cancer antigen 19-9 in a biological specimen.  | Cancer Antigen 19-9 Measurement         |
| C103361         | CA1AG                  | Cancer Antigen 1                                      | A measurement of the cancer antigen 1 in a biological specimen.   | Cancer Antigen 1 Measurement            |
| C111143         | CA2729AG               | Cancer Antigen 27-29                                  | A measurement of the cancer antigen 27-29 in a biological specimen.   | Cancer Antigen 27-29 Measurement        |
| C106505         | CA72_4AG               | CA 72-4;Cancer Antigen 72-4;Carbohydrate Antigen 72-4 | A measurement of the cancer antigen 72-4 in a biological specimen.  | Cancer Antigen 72-4 Measurement         |
| C74702          | CABOT                  | Cabot Rings   | A measurement of the Cabot rings (red-purple staining, threadlike, ring or figure 8 shaped filaments in an erythrocyte) in a biological specimen.     | Cabot Ring Count                        |
| C96589          | CACLR                  | Calcium Clearance                                     | A measurement of the volume of serum or plasma that would be cleared of calcium by excretion of urine for a specified unit of time (e.g. one minute). | Calcium Clearance Measurement           |
| C119272         | CACR                   | Calcium Corrected                                     | A measurement of calcium, which has been corrected for albumin, in a biological specimen.   | Calcium Corrected Measurement           |
| C79439          | CACREAT                | Calcium/Creatinine                                    | A relative measurement (ratio or percentage) of the calcium to creatinine in a biological specimen.   | Calcium to Creatinine Ratio Measurement |
| C117831         | CAEXR                  | Calcium Excretion Rate                                | A measurement of the amount of calcium being excreted in urine over a defined period of time (e.g. one hour).   | Calcium Urine Excretion Rate            |
| C75346          | CAFFEINE               | Caffeine  | A measurement of the caffeine in a biological specimen.   | Caffeine Measurement                    |
| C81948          | CAION                  | Calcium, Ionized                                      | A measurement of the ionized calcium in a biological specimen.  | Ionized Calcium Measurement             |
| C125941         | CAIONPH                | Calcium, Ionized pH Adjusted                          | A measurement of the pH adjusted ionized calcium in a biological specimen.  | Ionized pH Adjusted Calcium Measurement |
| C125942         | CALB                   | Calbindin   | A measurement of the total calbindin in a biological specimen.  | Calbindin Measurement                   |
| C82005          | CALPRO                 | Calprotectin  | A measurement of the calprotectin in a biological specimen.   | Calprotectin Measurement                |

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                |
| C124339         | CAMP                   | Cyclic Adenosine 3,5-Monophosphate   | A measurement of cyclic adenosine 3,5-monophosphate in a biological specimen.                       | Cyclic Adenosine 3,5-Monophosphate Measurement    |
| C74689          | CANNAB                 | Cannabinoids   | A measurement of any cannabinoid class drug present in a biological specimen.                       | Cannabinoid Drug Class Measurement                |
| C103360         | CAPHOSPD               | Calcium - Phosphorus Product   | A measurement of the product of the calcium and phosphate measurements in a biological specimen.    | Calcium and Phosphorus Product Measurement        |
| C96591          | CARBXHGB               | Carboxyhemoglobin  | A measurement of the carboxyhemoglobin, carbon monoxide-bound hemoglobin, in a biological specimen. | Carboxyhemoglobin Measurement                     |
| C74682          | CARNIT                 | Carnitine  | A measurement of the total carnitine in a biological specimen.                                      | Total Carnitine Measurement                       |
| C92288          | CARNITAT               | Carnitine Acetyl Transferase   | A measurement of the carnitine acetyl transferase in a biological specimen.                         | Carnitine Acetyl Transferase Measurement          |
| C74677          | CARNITF                | Carnitine, Free  | A measurement of the free carnitine in a biological specimen.                                       | Free Carnitine Measurement                        |
| C74763          | CASTS                  | Casts  | A statement that indicates casts were looked for in a biological specimen.                          | Cast Present Or Absent                            |
| C96590          | CASULPH                | Calcium Sulphate   | A measurement of the calcium sulphate in a biological specimen.                                     | Calcium Sulphate Measurement                      |
| C103357         | CATNINB                | Beta Catenin   | A measurement of the beta catenin in a biological specimen.   | Beta Catenin Measurement                          |
| C80172          | CBB                    | Bb Fragment of Complement Factor B;Bb Fragment of Factor B;Complement Bb   | A measurement of the Bb fragment of complement factor B in a biological specimen.                   | Complement Bb Measurement                         |
| C74850          | CCK                    | Cholecystokinin;Pancreozymin   | A measurement of the cholecystokinin hormone in a biological specimen.                              | Cholecystokinin Measurement                       |
| C112236         | CCL17                  | ABCD-2;Chemokine (C-C Motif) Ligand 17;SCYA17;TARC;Thymus and Activation Regulated Chemokine   | A measurement of the CCL17, chemokine (C-C motif) ligand 17, in a biological specimen.              | Chemokine (C-C Motif) Ligand 17 Measurement       |
| C112237         | CCL18                  | AMAC-1;AMAC1;CKB7;Chemokine (C-C Motif) Ligand 18;DC-CK1;DCCCK1;MIP-4;Macrophage inflammatory protein-4;PARC;Pulmonary and Activation-Regulated Chemokine;SCYA18 | A measurement of the CCL18, chemokine (C-C motif) ligand 18, in a biological specimen.              | Chemokine (C-C Motif) Ligand 18 Measurement       |
| C96595          | CCPAB                  | Cyclic Citrullinated Peptide Antibody  | A measurement of the cyclic citrullinated peptide antibody in a biological specimen.                | Cyclic Citrullinated Peptide Antibody Measurement |
| C122103         | CCR5                   | C-C Chemokine Receptor Type 5;CD195  | A measurement of the CCR5, chemokine (C-C motif) receptor type 5, in a biological specimen.         | C-C Chemokine Receptor Type 5 Measurement         |
| C103364         | CD1                    | CD1  | A count of the CD1 expressing cells per unit of a biological specimen.                              | CD1 Expressing Cell Measurement                   |
| C111146         | CD10                   | CD10   | A measurement of the CD10 expressing cells per unit in a biological specimen.                       | CD10 Expressing Cell Count                        |
| C105439         | CD11A                  | CD11A;CD11a  | A count of the CD11a expressing cells per unit of a biological specimen.                            | CD11A Expressing Cell Count                       |

**C65047 LBTESTCD**

| NCI Code | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                  |
|----------|------------------------|---|--|---|
| C105440  | CD11B                  | CD11B;CD11b;Complement Component 3 Receptor 3 Subunit;Complement Receptor Type 3 Alpha Subunit;ITGAM Protein;Integrin Alpha-M | A count of the CD11b expressing cells per unit of a biological specimen.   | CD11B Expressing Cell Count                         |
| C111147  | CD13                   | CD13  | A measurement of the CD13 expressing cells per unit in a biological specimen.  | CD13 Expressing Cell Count                          |
| C103365  | CD14                   | CD14  | A count of the CD14 expressing cells per unit of a biological specimen.  | CD14 Expressing Cell Measurement                    |
| C122104  | CD161ALY               | CD161a/Lymphocytes  | A relative measurement (ratio or percentage) of CD161a expressing cells to all lymphocytes in a biological specimen. | CD161a to Lymphocyte Ratio Measurement              |
| C122105  | CD161LY                | CD161/Lymphocytes   | A relative measurement (ratio or percentage) of CD161 expressing cells to all lymphocytes in a biological specimen.  | CD161 to Lymphocyte Ratio Measurement               |
| C103808  | CD19                   | CD19  | A count of the CD19 expressing cells per unit in a biological specimen.  | CD19 Expressing Cell Count                          |
| C103812  | CD19LY                 | CD19/Lymphocytes  | A relative measurement (ratio or percentage) of CD19 expressing cells to all lymphocytes in a biological specimen.   | CD19 Cell to Lymphocyte Ratio Measurement           |
| C103366  | CD2                    | CD2   | A count of the CD2 expressing cells per unit of a biological specimen.   | CD2 Expressing Cell Measurement                     |
| C103368  | CD20                   | CD20  | A count of the CD20 expressing cells per unit of a biological specimen.  | CD20 Expressing Cell Measurement                    |
| C111148  | CD22                   | CD22  | A measurement of the CD22 expressing cells per unit in a biological specimen.  | CD22 Expressing Cell Count                          |
| C111149  | CD23                   | CD23  | A measurement of the CD23 expressing cells per unit in a biological specimen.  | CD23 Expressing Cell Count                          |
| C103367  | CD2LY                  | CD2/Lymphocytes   | A relative measurement (ratio or percentage) of CD2 expressing cells to all lymphocytes in a biological specimen.    | CD2 Expressing Cell to Lymphocyte Ratio Measurement |
| C103809  | CD3                    | CD3   | A count of the CD3 expressing cells per unit in a biological specimen.   | CD3 Expressing Cell Count                           |
| C111150  | CD33                   | CD33  | A measurement of the CD33 expressing cells per unit in a biological specimen.  | CD33 Expressing Cell Count                          |
| C102260  | CD34                   | CD34  | A measurement of the CD34 expressing cells per unit in a biological specimen.  | CD34 Measurement                                    |
| C111151  | CD38                   | CD38  | A measurement of the CD38 expressing cells per unit in a biological specimen.  | CD38 Expressing Cell Count                          |
| C103813  | CD3LY                  | CD3/Lymphocytes   | A relative measurement (ratio or percentage) of CD3 expressing cells to all lymphocytes in a biological specimen.    | CD3 Cell to Lymphocyte Ratio Measurement            |
| C103810  | CD4                    | CD4   | A count of the CD4 expressing cells per unit in a biological specimen.   | CD4 Expressing Cell Count                           |
| C82006   | CD40                   | CD40  | A count of the CD40 cells per unit in a biological specimen.   | CD40 Measurement                                    |

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term  |
| C82007          | CD40L                  | CD40 Ligand                            | A count of the CD40 ligand cells per unit in a biological specimen.   | CD40 Ligand Measurement   |
| C122106         | CD45LY                 | CD45/Lymphocytes                       | A relative measurement (ratio or percentage) of CD45 expressing cells to all lymphocytes in a biological specimen.                    | CD45 to Lymphocyte Ratio Measurement                                |
| C122107         | CD45RALY               | CD45RA/Lymphocytes                     | A relative measurement (ratio or percentage) of CD45RA expressing cells to all lymphocytes in a biological specimen.                  | CD45RA to Lymphocyte Ratio Measurement                              |
| C103814         | CD4CD8                 | CD4/CD8                                | A relative measurement (ratio or percentage) of CD4 expressing cells to the CD8 expressing cells in a biological specimen.            | CD4 Cell to CD8 Cell Ratio Measurement                              |
| C103815         | CD4LY                  | CD4/Lymphocytes                        | A relative measurement (ratio or percentage) of CD4 expressing cells to all lymphocytes in a biological specimen.                     | CD4 Cell to Lymphocyte Ratio Measurement                            |
| C103369         | CD5                    | CD5                                    | A count of the CD5 expressing cells per unit of a biological specimen.  | CD5 Expressing Cell Measurement                                     |
| C103370         | CD56                   | CD56                                   | A count of the CD56 expressing cells per unit of a biological specimen.   | CD56 Expressing Cell Measurement                                    |
| C111152         | CD79A                  | CD79A                                  | A measurement of the CD79A expressing cells per unit in a biological specimen.  | CD79A Expressing Cell Count   |
| C103811         | CD8                    | CD8                                    | A count of the CD8 expressing cells per unit in a biological specimen.  | CD8 Expressing Cell Count   |
| C103816         | CD8LY                  | CD8/Lymphocytes                        | A relative measurement (ratio or percentage) of CD8 expressing cells to all lymphocytes in a biological specimen.                     | CD8 Cell to Lymphocyte Ratio Measurement                            |
| C103381         | CDFTXN                 | Clostridium difficile Toxin            | A measurement of the Clostridium difficile toxin in a biological specimen.  | Clostridium difficile Toxin Measurement                             |
| C101016         | CDT                    | Carbohydrate-Deficient Transferrin     | A measurement of transferrin with a reduced number of carbohydrate moieties in a biological specimen.                                 | Carbohydrate-Deficient Transferrin Measurement                      |
| C125943         | CDTTFRN                | Carb-Deficient Transferrin/Transferrin | A relative measurement (ratio or percentage) of the carbohydrate-deficient transferrin to total transferrin in a biological specimen. | Carbohydrate-Deficient Transferrin to Transferrin Ratio Measurement |
| C81983          | CEA                    | Carcinoembryonic Antigen               | A measurement of the carcinoembryonic antigen in a biological specimen.   | Carcinoembryonic Antigen Measurement                                |
| C96592          | CEC                    | Circulating Endothelial Cells          | A measurement of the circulating endothelial cells in a biological specimen.  | Circulating Endothelial Cell Count                                  |
| C111234         | CEIMCE                 | Immature Cells/Total Cells             | A relative measurement (ratio or percentage) of the immature hematopoietic cells to total cells in a biological specimen.             | Immature Cell to Total Cell Ratio Measurement                       |
| C96672          | CELLSIM                | Immature Cells                         | A measurement of the total immature cells in a blood specimen.  | Immature Cell Count   |



| C65047 LBTESTCD |                        |   |   |   |
|-----------------|------------------------|---|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                   | CDISC Definition  | NCI Preferred Term                                      |
| C111153         | CELLULAR               | Cellularity;Cellularity Grade                   | A measurement of the degree, quality or condition of cells in a biological specimen.  | Cellularity Measurement                                 |
| C111154         | CENTROAB               | Centromere B Antibodies                         | A measurement of centromere B antibodies in a biological specimen.  | Centromere B Antibody Measurement                       |
| C120632         | CETP                   | Cholesteryl Ester Transfer Protein              | A measurement of the cholesteryl ester transfer protein in a biological specimen.   | Cholesteryl Ester Transfer Protein Measurement          |
| C103380         | CETPA                  | Cholesteryl Ester Transfer Protein Act          | A measurement of the biological activity of cholesteryl ester transfer protein in a biological specimen.                                    | Cholesteryl Ester Transfer Protein Activity Measurement |
| C122108         | CGA                    | Chromogranin A                                  | A measurement of the chromogranin A in a biological specimen.   | Chromogranin A Measurement                              |
| C111165         | CGMP                   | Cyclic Guanosine Monophosphate                  | A measurement of the cyclic guanosine 3,5-monophosphate in a biological specimen.   | Cyclic Guanosine Monophosphate Measurement              |
| C100423         | CH50                   | CH50;Complement CH50;Total Hemolytic Complement | A measurement of the complement required to lyse 50 percent of red blood cells in a biological specimen.                                    | CH50 Measurement  |
| C120633         | CHLMCRN                | Chylomicrons                                    | A measurement of the chylomicrons in a biological specimen.   | Chylomicrons Measurement                                |
| C105586         | CHOL                   | Cholesterol;Total Cholesterol                   | A measurement of the cholesterol in a biological specimen.  | Cholesterol Measurement                                 |
| C80171          | CHOLHDL                | Cholesterol/HDL-Cholesterol                     | A relative measurement (ratio or percentage) of total cholesterol to high-density lipoprotein cholesterol (HDL-C) in a biological specimen. | Cholesterol to HDL-Cholesterol Ratio Measurement        |
| C92289          | CHOLINES               | Cholinesterase                                  | A measurement of the cholinesterase in a biological specimen.   | Cholinesterase Measurement                              |
| C111159         | CHYTRYP                | Chymotrypsin                                    | A measurement of the total chymotrypsin in a biological specimen.   | Chymotrypsin Measurement                                |
| C127611         | CIC                    | Circulating Immune Complexes                    | A measurement of the circulating immune complexes in a biological specimen.   | Circulating Immune Complex Measurement                  |
| C122109         | CIT                    | Citrulline                                      | A measurement of the citrulline in a biological specimen.   | Citrulline Measurement                                  |
| C122110         | CITCREAT               | Citrate/Creatinine;Citric Acid/Creatinine       | A relative measurement (ratio or percentage) of the citrate to creatinine in a biological specimen.   | Citrate to Creatinine Ratio Measurement                 |
| C92248          | CITRATE                | Citrate;Citric Acid                             | A measurement of the citrate in a biological specimen.  | Citrate Measurement                                     |
| C64489          | CK                     | CPK;Creatine Kinase                             | A measurement of the total creatine kinase in a biological specimen.  | Creatine Kinase Measurement                             |
| C64490          | CKBB                   | Creatine Kinase BB                              | A measurement of the homozygous B-type creatine kinase in a biological specimen.  | Creatine Kinase BB Measurement                          |

| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term  |
| C79466          | CKBBCK                 | Creatine Kinase BB/Total Creatine Kinase     | A relative measurement (ratio or percentage) of the BB-type creatine kinase to total creatine kinase in a biological specimen.                         | Creatine Kinase BB to Total Creatine Kinase Ratio Measurement |
| C64491          | CKMB                   | Creatine Kinase MB                           | A measurement of the heterozygous MB-type creatine kinase in a biological specimen.  | Creatine Kinase MB Measurement                                |
| C79441          | CKMBCK                 | Creatine Kinase MB/Total Creatine Kinase     | A relative measurement (ratio or percentage) of the MB-type creatine kinase to total creatine kinase in a biological specimen.                         | Creatine Kinase MB to Total Creatine Kinase Ratio Measurement |
| C64494          | CKMM                   | Creatine Kinase MM                           | A measurement of the homozygous M-type creatine kinase in a biological specimen.   | Creatine Kinase MM Measurement                                |
| C79442          | CKMMCK                 | Creatine Kinase MM/Total Creatine Kinase     | A relative measurement (ratio or percentage) of the MM-type creatine kinase to total creatine kinase in a biological specimen.                         | Creatine Kinase MM to Total Creatine Kinase Ratio Measurement |
| C64495          | CL                     | Chloride                                     | A measurement of the chloride in a biological specimen.  | Chloride Measurement  |
| C96594          | CLARITY                | Clarity                                      | A measurement of the transparency of a biological specimen.  | Clarity Measurement   |
| C106509         | CLCLR                  | Chloride Clearance                           | A measurement of the volume of serum or plasma that would be cleared of chloride by excretion of urine for a specified unit of time (e.g. one minute). | Chloride Clearance Measurement                                |
| C79440          | CLCREAT                | Chloride/Creatinine                          | A relative measurement (ratio or percentage) of the chloride to creatinine in a biological specimen.   | Chloride to Creatinine Ratio Measurement                      |
| C74848          | CLCTONN                | Calcitonin                                   | A measurement of the calcitonin hormone in a biological specimen.  | Calcitonin Measurement  |
| C74849          | CLCTRIOL               | Calcitriol                                   | A measurement of the calcitriol hormone in a biological specimen.  | Calcitriol Measurement  |
| C117832         | CLEXR                  | Chloride Excretion Rate                      | A measurement of the amount of chloride being excreted in urine over a defined period of time (e.g. one hour).   | Chloride Urine Excretion Rate                                 |
| C102261         | CLUECE                 | Clue Cells                                   | A measurement of the clue cells in a biological specimen.  | Clue Cell Count   |
| C96596          | CMVIGGAB               | Cytomegalovirus IgG Antibody                 | A measurement of the cytomegalovirus IgG antibody in a biological specimen.  | Cytomegalovirus IgG Antibody Measurement                      |
| C96597          | CMVIGMAB               | Cytomegalovirus IgM Antibody                 | A measurement of the cytomegalovirus IgM antibody in a biological specimen.  | Cytomegalovirus IgM Antibody Measurement                      |
| C98716          | CMVVLD                 | CMV Viral Load                               | A measurement of the cytomegalovirus viral load in a biological specimen.  | Cytomegalovirus Viral Load Measurement                        |
| C122111         | CNTIGGAB               | Centromere IgG Antibody;Centromere Protein B | A measurement of the centromere IgG antibody in a biological specimen.   | Centromere IgG Antibody Measurement                           |
| C64545          | CO2                    | Carbon Dioxide                               | A measurement of the carbon dioxide gas in a biological specimen.  | Carbon Dioxide Measurement                                    |

| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                              |
| C112239         | COAGIDX                | CI;Coagulation Index                                   | A measurement of the efficiency of coagulation of a biological specimen. This is calculated by a mathematical formula that takes into account the R value, K value, angle and maximum amplitude of clot formation. | Coagulation Index Measurement                   |
| C74690          | COCAINE                | Cocaine  | A measurement of the cocaine present in a biological specimen.   | Cocaine Measurement                             |
| C111160         | COCCAB                 | Coccidioides Antibody                                  | A measurement of the coccidioides antibody in a biological specimen.   | Coccidioides Antibody Measurement               |
| C74877          | CODEINE                | Codeine  | A measurement of the codeine present in a biological specimen.   | Codeine Measurement                             |
| C103383         | COL4                   | Collagen Type IV                                       | A measurement of the collagen type IV in a biological specimen.  | Collagen Type IV Measurement                    |
| C64546          | COLOR                  | Color  | A measurement of the color of a biological specimen.   | Color Assessment                                |
| C111145         | COMP                   | Cartilage Oligomeric Matrix Protein                    | A measurement of the cartilage oligomeric matrix protein in a biological specimen.   | Cartilage Oligomeric Matrix Protein Measurement |
| C102282         | CONDUCTU               | Urine Conductivity                                     | A measurement of the urine conductivity which is a non-linear function of the electrolyte concentration in the urine.  | Urine Conductivity                              |
| C127612         | COPEP                  | Copeptin   | A measurement of the copeptin in a biological specimen.  | Copeptin Measurement                            |
| C111161         | COPPER                 | Copper;Cu  | A measurement of copper in a biological specimen.  | Copper Measurement                              |
| C106512         | CORCREAT               | Cortisol/Creatinine                                    | A relative measurement (ratio or percentage) of the cortisol to creatinine present in a sample.  | Cortisol to Creatinine Ratio Measurement        |
| C88113          | CORTFR                 | Cortisol, Free   | A measurement of the free, unbound cortisol in a biological specimen.  | Free Cortisol Measurement                       |
| C74781          | CORTISOL               | Cortisol;Total Cortisol                                | A measurement of the cortisol in a biological specimen.  | Cortisol Measurement                            |
| C92249          | COTININE               | Cotinine   | A measurement of the cotinine in a biological specimen.  | Cotinine Measurement                            |
| C74736          | CPEPTIDE               | C-peptide  | A measurement of the C (connecting) peptide of insulin in a biological specimen.   | C-peptide Measurement                           |
| C92432          | CPNIGAAB               | Chlamydia pneumoniae IgA Antibody                      | A measurement of the Chlamydia pneumoniae IgA antibody in a biological specimen.   | Chlamydia pneumoniae IgA Antibody Measurement   |
| C92433          | CPNIGMAB               | Chlamydia pneumoniae IgM Antibody                      | A measurement of the Chlamydia pneumoniae IgM in a biological specimen.  | Chlamydia pneumoniae IgM Antibody Measurement   |
| C122112         | CRDIGAAB               | Cardiolipin IgA Antibody                               | A measurement of the cardiolipin IgA antibody in a biological specimen.  | Cardiolipin IgA Antibody Measurement            |
| C111144         | CRDIGGAB               | Anti-Cardiolipin IgG Antibody;Cardiolipin IgG Antibody | A measurement of the cardiolipin IgG antibody in a biological specimen.  | Cardiolipin IgG Antibody Measurement            |

| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
| C103363         | CRDIGMAB               | Cardiolipin IgM Antibody  | A measurement of the cardiolipin IgM antibodies in a biological specimen.  | Cardiolipin IgM Antibody Measurement                 |
| C64547          | CREAT                  | Creatinine  | A measurement of the creatinine in a biological specimen.  | Creatinine Measurement                               |
| C25747          | CREATCLR               | Creatinine Clearance  | A measurement of the volume of serum or plasma that would be cleared of creatinine by excretion of urine for a specified unit of time (e.g. one minute).                               | Creatinine Clearance                                 |
| C117833         | CREATEXR               | Creatinine Excretion Rate   | A measurement of the amount of creatinine being excreted in urine over a defined amount of time (e.g. one hour).   | Creatinine Urine Excretion Rate                      |
| C74703          | CRENCE                 | Crenated Cells;Echinocytes  | A measurement of the Burr cells (erythrocytes characterized by the presence of multiple small, sharp projections evenly distributed across the cell surface) in a biological specimen. | Crenated Cell Measurement                            |
| C74851          | CRH                    | Corticotropin Releasing Factor;Corticotropin Releasing Hormone  | A measurement of the corticotropin releasing hormone in a biological specimen.   | Corticotropin Releasing Hormone Measurement          |
| C100432         | CRLPLSMN               | Caeruloplasmin;Ceruloplasmin  | A measurement of ceruloplasmin in a biological specimen.   | Ceruloplasmin Measurement                            |
| C64548          | CRP                    | C Reactive Protein  | A measurement of the C reactive protein in a biological specimen.  | C-Reactive Protein Measurement                       |
| C106511         | CRTCREAT               | Corticosterone/Creatinine   | A relative measurement (ratio or percentage) of the corticosterone to creatinine present in a sample.  | Corticosterone to Creatinine Ratio Measurement       |
| C79434          | CRTRONE                | Corticosterone  | A measurement of corticosterone in a biological specimen.  | Corticosterone Measurement                           |
| C111164         | CRYOGLBN               | Cryoglobulin  | A measurement of cryoglobulin in a biological specimen.  | Cryoglobulin Measurement                             |
| C74673          | CRYSTALS               | Crystals  | A statement that indicates crystals were looked for in a biological specimen.  | Crystal Present Or Absent                            |
| C120634         | CSAB                   | Cathepsin Antibody  | A measurement of the total cathepsin antibody in a biological specimen.  | Cathepsin Antibody Measurement                       |
| C74762          | CSBACT                 | Bacterial Casts   | A measurement of the bacterial casts present in a biological specimen.   | Bacterial Cast Measurement                           |
| C96588          | CSBROAD                | Broad Casts   | A measurement of the broad casts in a biological specimen.   | Broad Casts Measurement                              |
| C74764          | CSCCELL                | Cellular Casts  | A measurement of the cellular (white blood cell, red blood cell, epithelial and bacterial) casts present in a biological specimen.   | Cellular Cast Measurement                            |
| C74779          | CSEPI                  | Epithelial Casts  | A measurement of the epithelial cell casts present in a biological specimen.   | Epithelial-Cast Measurement                          |
| C112220         | CSEPI846               | 846-Epitope;Aggrecan Chondroitin Sulfate Epitope 846;CS846;Chondroitin Sulfate Epitope 846;Chondroitin Sulfate Proteoglycan 1 Epitope 846 | A measurement of the 846 epitope present on the chondroitin sulfate chains of aggrecan in a biological specimen.   | Aggrecan Chondroitin Sulfate Epitope 846 Measurement |

| C65047 LBTESTCD |                        |   |  |   |
|-----------------|------------------------|---|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term  |
| C74766          | CSFAT                  | Fatty Casts   | A measurement of the fatty casts present in a biological specimen.   | Fatty Cast Measurement  |
| C74768          | CSGRAN                 | Granular Casts  | A measurement of the granular (coarse and fine) casts present in a biological specimen.                                    | Granular Cast Measurement                                     |
| C74765          | CSGRANC                | Granular Coarse Casts   | A measurement of the coarse granular casts present in a biological specimen.   | Coarse Granular Cast Measurement                              |
| C74769          | CSGRANF                | Granular Fine Casts   | A measurement of the fine granular casts present in a biological specimen.   | Granular Fine Cast Measurement                                |
| C74770          | CSHYAL                 | Hyaline Casts   | A measurement of the hyaline casts present in a biological specimen.   | Hyaline Cast Measurement                                      |
| C74771          | CSMIX                  | Mixed Casts   | A measurement of the mixed (the cast contains a mixture of cell types) casts present in a biological specimen.             | Mixed Cast Count  |
| C74772          | CSRBC                  | RBC Casts   | A measurement of the red blood cell casts present in a biological specimen.  | Red Blood Cell Cast Measurement                               |
| C74776          | CSUNCLA                | Unclassified Casts  | A measurement of the unclassifiable casts present in a biological specimen.  | Unclassified Cast Measurement                                 |
| C74777          | CSWAX                  | Waxy Casts  | A measurement of the waxy casts present in a biological specimen.  | Waxy Cell Cast Measurement                                    |
| C74778          | CSWBC                  | WBC Casts   | A measurement of the white blood cell casts present in a biological specimen.  | White Blood Cell Cast Measurement                             |
| C116194         | CTBIGGAB               | Cholera Toxin B Subunit IgG Antibody                                  | A measurement of the cholera toxin B subunit IgG antibody in a biological specimen.  | Cholera Toxin B Subunit IgG Antibody Measurement              |
| C96593          | CTC                    | Circulating Tumor Cells   | A measurement of the circulating tumor cells in a biological specimen.   | Circulating Tumor Cell Count                                  |
| C80160          | CTOT                   | Complement Total  | A measurement of the total complement in a biological specimen.  | Complement Measurement  |
| C100464         | CTRIGAAB               | Chlamydia trachomatis IgA Antibody                                    | A measurement of the Chlamydia trachomatis IgA antibody in a biological specimen.  | Chlamydia trachomatis IgA Antibody Measurement                |
| C100466         | CTRIGGAB               | Chlamydia trachomatis IgG Antibody                                    | A measurement of the Chlamydia trachomatis IgG antibody in a biological specimen.  | Chlamydia trachomatis IgG Antibody Measurement                |
| C100465         | CTRIGMAB               | Chlamydia trachomatis IgM Antibody                                    | A measurement of the Chlamydia trachomatis IgM antibody in a biological specimen.  | Chlamydia trachomatis IgM Antibody Measurement                |
| C103382         | CTTIGGAB               | Clostridium tetani IgG Antibody                                       | A measurement of the Clostridium tetani IgG antibody in a biological specimen.   | Clostridium tetani IgG Antibody Measurement                   |
| C82038          | CTXI                   | Type I Collagen C-Telopeptides;Type I Collagen X-linked C-telopeptide | A measurement of the type I collagen C-telopeptides in a biological specimen.  | Type I Collagen C-Telopeptide Measurement                     |
| C127613         | CTXICRT                | Type I Collagen C-Telopeptides/Creat                                  | A relative measurement (ratio or percentage) of the type I collagen C-telopeptides to creatinine in a biological specimen. | Type I Collagen C-Telopeptide to Creatinine Ratio Measurement |

| C65047 LBTESTCD |                        |  |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term  |
| C82040          | CTXII                  | Type II Collagen C-Telopeptides  | A measurement of the type II collagen C-telopeptides in a biological specimen.  | Type II Collagen C-Telopeptide Measurement                      |
| C122113         | CTXIICRT               | Type II Collagen C-Telopeptides/Creat  | A relative measurement (ratio or percentage) of the type II collagen C-telopeptides to creatinine in a biological specimen. | Type II Collagen C-Telopeptides to Creatinine Ratio Measurement |
| C112238         | CXCL10                 | Chemokine (C-X-C Motif) Ligand 10;IP-10;Interferon Gamma-induced Protein 10;Small-inducible Cytokine B10 | A measurement of the CXCL10, chemokine (C-X-C motif) ligand 10, in a biological specimen.                                   | Chemokine (C-X-C Motif) Ligand 10 Measurement                   |
| C100431         | CXCR3                  | CD183;CXCR3;Chemokine (C-X-C Motif) Receptor 3;GPR9  | A measurement of the CXCR3, chemokine (C-X-C motif) receptor 3, in a biological specimen.                                   | Chemokine Receptor CXCR3 Measurement                            |
| C74912          | CYACIDU                | Acid Urate Crystals  | A measurement of the acid urate crystals present in a biological specimen.  | Acid Urate Crystal Measurement                                  |
| C105590         | CYAMMBIU               | Acid Ammonium Urate Crystals;Ammonium Biurate Crystals;Ammonium Urate Crystals                           | A measurement of the ammonium biurate crystals present in a biological specimen.  | Ammonium Biurate Crystals Measurement                           |
| C74759          | CYAMMOX                | Ammonium Oxalate Crystals  | A measurement of the ammonium oxalate crystals present in a urine specimen.   | Urine Ammonium Oxalate Crystal Measurement                      |
| C74665          | CYAMORPH               | Amorphous Crystals   | A measurement of the amorphous (Note: phosphate or urate, depending on pH) crystals present in a biological specimen.       | Amorphous Crystal Measurement                                   |
| C92243          | CYAMPPH                | Amorphous Phosphate Crystals   | A measurement of the amorphous phosphate crystals in a biological specimen.   | Amorphous Phosphate Crystals Measurement                        |
| C92244          | CYAMPURT               | Amorphous Urate Crystals   | A measurement of the amorphous urate crystals in a biological specimen.   | Amorphous Urate Crystals Measurement                            |
| C74668          | CYBILI                 | Bilirubin Crystals   | A measurement of the bilirubin crystals present in a biological specimen.   | Bilirubin Crystal Measurement                                   |
| C74669          | CYCACAR                | Calcium Carbonate Crystals   | A measurement of the calcium carbonate crystals present in a biological specimen.   | Calcium Carbonate Crystal Measurement                           |
| C74670          | CYCAOXA                | Calcium Oxalate Crystals   | A measurement of the calcium oxalate crystals present in a biological specimen.   | Calcium Oxalate Crystal Measurement                             |
| C74671          | CYCAPHOS               | Calcium Phosphate Crystals   | A measurement of the calcium phosphate crystals present in a biological specimen.   | Calcium Phosphate Crystal Measurement                           |
| C124340         | CYCASULF               | Calcium Sulfate Crystals   | A measurement of the calcium sulfate crystals present in a biological specimen.   | Calcium Sulfate Crystals Measurement                            |
| C74672          | CYCHOL                 | Cholesterol Crystals   | A measurement of the cholesterol crystals present in a biological specimen.   | Cholesterol Crystal Measurement                                 |
| C74674          | CYCYSTIN               | Cystine Crystals   | A measurement of the cystine crystals present in a biological specimen.   | Cystine Crystal Measurement                                     |
| C106514         | CYFRA211               | CYFRA21-1;Cytokeratin 19 Fragment;Cytokeratin Fragment 21-1  | A measurement of the cytokeratin 19 fragment 21-1 in a biological specimen.   | Cytokeratin Fragment 21-1 Measurement                           |
| C112288         | CYHGBC                 | Hemoglobin C Crystals  | A measurement of hemoglobin C crystals in a biological specimen.  | Hemoglobin C Crystals Measurement                               |

| C65047 LBTESTCD |                        |  |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                         |
| C74754          | CYHIPAC                | Hippuric Acid Crystals   | A measurement of the hippuric acid crystals present in a biological specimen.  | Hippuric Acid Crystal Measurement          |
| C74680          | CYLEUC                 | Leucine Crystals   | A measurement of the leucine crystals present in a biological specimen.  | Leucine Crystal Measurement                |
| C74681          | CYMSU                  | Monosodium Urate Crystals  | A measurement of the monosodium urate crystals present in a biological specimen.   | Monosodium Urate Crystal Measurement       |
| C106513         | CYSCREAT               | Cystatin C/Creatinine  | A relative measurement (ratio or percentage) of the cystatin C to creatinine present in a sample.                              | Cystatin C to Creatinine Ratio Measurement |
| C81951          | CYSTARCH               | Starch Crystals  | A measurement of the starch crystals in a biological specimen.   | Starch Crystal Measurement                 |
| C92290          | CYSTATC                | Cystatin C   | A measurement of the cystatin C in a biological specimen.  | Cystatin C Measurement                     |
| C105441         | CYSTINE                | Cystine  | A measurement of the cystine in a biological specimen.   | Cystine Measurement                        |
| C74755          | CYSULFA                | Sulfa Crystals   | A measurement of the sulfa crystals present in a biological specimen.  | Sulfa Crystal Measurement                  |
| C74756          | CYTRPHOS               | Triple Phosphate Crystals  | A measurement of the triple phosphate crystals present in a biological specimen.   | Triple Phosphate Crystal Measurement       |
| C74683          | CYTYRO                 | Tyrosine Crystals  | A measurement of the tyrosine crystals present in a biological specimen.   | Tyrosine Crystal Measurement               |
| C74757          | CYUNCLA                | Unclassified Crystals  | A measurement of the unclassifiable crystals present in a biological specimen.   | Unclassified Crystal Measurement           |
| C74684          | CYURIAC                | Uric Acid Crystals   | A measurement of the uric acid crystals present in a biological specimen.  | Uric Acid Crystal Measurement              |
| C82621          | DDIMER                 | D-Dimer  | A measurement of the d-dimers in a biological specimen.  | D-Dimer Measurement                        |
| C45781          | DENSITY                | Density  | A measurement of the compactness of a biological specimen expressed in mass per unit volume.                                   | Density                                    |
| C111190         | DGNWBC                 | Degenerated Leukocytes;Degenerated WBC;Degenerated White Blood Cells | A measurement of the degenerated leukocytes (leukocytes that show deterioration in form or function) in a biological specimen. | Degenerated Leukocyte Count                |
| C74852          | DHEA                   | Dehydroepiandrosterone;Dehydroisoandrosterone                        | A measurement of the dehydroepiandrosterone hormone in a biological specimen.  | Dehydroepiandrosterone Measurement         |
| C96629          | DHEAS                  | DHEA Sulfate;DHEA-S;Dehydroepiandrosterone Sulfate;sDHEA             | A measurement of the sulfated Dehydroepiandrosterone in a biological specimen.   | Sulfated DHEA Measurement                  |
| C101017         | DHPG                   | 3,4-Dihydroxyphenylglycol;3,4 Dihydroxyphenylglycol                  | A measurement of the catecholamine metabolite, 3,4-Dihydroxyphenylglycol in a biological specimen.                             | 3,4-Dihydroxyphenylglycol Measurement      |
| C74853          | DHT                    | Androstanalone;Dihydrotestosterone                                   | A measurement of the dihydrotestosterone hormone in a biological specimen.   | Dihydrotestosterone Measurement            |

| C65047 LBTESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C74878          | DIHYDCDN               | Dihydrocodeine  | A measurement of the dihydrocodeine present in a biological specimen.  | Dihydrocodeine Measurement                                     |
| C81973          | DNAAB                  | Anti-DNA Antibodies;Anti-ds-DNA Antibodies                        | A measurement of the anti-DNA antibodies in a biological specimen.   | Anti-DNA Antibody Measurement                                  |
| C100463         | DNASEBAB               | Anti-Dnase B;DNase-B Antibody                                     | A measurement of Dnase-B antibody in a biological specimen.  | DNase-B Antibody Measurement                                   |
| C74610          | DOHLE                  | Dohle Bodies  | A measurement of the Dohle bodies (blue-gray, basophilic, leukocyte inclusions located in the peripheral cytoplasm of neutrophils) in a biological specimen.                         | Dohle Body Measurement   |
| C103345         | DOPAC                  | 3,4-Dihydroxyphenylacetic Acid                                    | A measurement of the 3,4-dihydroxyphenylacetic acid in a biological specimen.  | 3,4-Dihydroxyphenylacetic Acid Measurement                     |
| C74854          | DOPAMINE               | Dopamine  | A measurement of the dopamine hormone in a biological specimen.  | Dopamine Measurement   |
| C79443          | DPD                    | Deoxyipyridinoline  | A measurement of the deoxyipyridinoline in a biological specimen.  | Deoxyipyridinoline Measurement                                 |
| C79444          | DPDCREAT               | Deoxyipyridinoline/Creatinine                                     | A relative measurement (ratio or percentage) of the deoxyipyridinoline to creatinine in a biological specimen.   | Deoxyipyridinoline to Creatinine Ratio Measurement             |
| C103387         | DPPIVA                 | DPPIV Activity;Dipeptidyl Peptidase-4 Activity                    | A measurement of the biological activity of dipeptidyl peptidase-4 in a biological specimen.   | Dipeptidyl Peptidase-4 Activity Measurement                    |
| C103388         | DPTIGGAB               | Diphtheria IgG Antibody   | A measurement of the Diphtheria IgG antibodies in a biological specimen.   | Diphtheria IgG Antibody Measurement                            |
| C78139          | DRUGSCR                | Drug Screen   | An indication of the presence or absence of recreational drugs or drugs of abuse in a biological specimen.   | Drug Test  |
| C96696          | DRVVT                  | Dilute Russell's Viper Venom Time;Lupus Anticoagulant Test        | A measurement of the time it takes a plasma sample to clot after adding dilute Russell's viper venom.  | Dilute Russell's Viper Venom Time Measurement                  |
| C103386         | DRVVTRT                | Dilute Russell's Viper Venom Time Ratio;Lupus Anticoagulant Ratio | A relative measurement of the dilute Russell's viper venom time in a subject sample to a control sample.   | Dilute Russell's Viper Venom Time to Control Ratio Measurement |
| C122114         | DSG1AB                 | Desmoglein 1 Antibody   | A measurement of the desmoglein 1 antibody in a biological specimen.   | Desmoglein 1 Antibody Measurement                              |
| C122115         | DSG3AB                 | Desmoglein 3 Antibody   | A measurement of the desmoglein 3 antibody in a biological specimen.   | Desmoglein 3 Antibody Measurement                              |
| C100441         | DTPACLR                | DTPA Clearance  | A measurement of the volume of serum or plasma that would be cleared of Diethylenetriamine pentaacetate (DTPA) by excretion of urine for a specified unit of time (e.g. one minute). | Diethylene Triamine Pentaacetic Acid Clearance                 |
| C96600          | EBCIGGAB               | Epstein-Barr Capsid IgG Antibody                                  | A measurement of the Epstein-Barr capsid IgG antibody in a biological specimen.  | Epstein-Barr Capsid IgG Antibody Measurement                   |



| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                    |
| C96601          | EBCIGMAB               | Epstein-Barr Capsid IgM Antibody   | A measurement of the Epstein-Barr capsid IgM antibody in a biological specimen.  | Epstein-Barr Capsid IgM Antibody Measurement          |
| C96602          | EBEAG                  | Epstein-Barr Early Antigen   | A measurement of the Epstein-Barr early antigen in a biological specimen.  | Epstein-Barr Early Antigen Measurement                |
| C122116         | EBEDIGAB               | Epstein-Barr Early D Antigen IgG Ab  | A measurement of the Epstein-Barr early diffuse antigen IgG antibody in a biological specimen.   | Epstein-Barr Early D Antigen IgG Antibody Measurement |
| C106518         | EBN1IGAB               | Epstein-Barr Nuclear Antigen 1 IgG Ab  | A measurement of the Epstein-Barr nuclear antigen 1 IgG antibody in a biological specimen.   | Epstein-Barr Nuclear Antigen 1 IgG Ab Measurement     |
| C96603          | EBNAB                  | Epstein-Barr Nuclear Antibody; Epstein-Barr Nuclear Antigen Antibody   | A measurement of the Epstein-Barr nuclear antibody in a biological specimen.   | Epstein-Barr Nuclear Antibody Measurement             |
| C96604          | EBNAG                  | Epstein-Barr Nuclear Antigen   | A measurement of the Epstein-Barr nuclear antigen in a biological specimen.  | Epstein-Barr Nuclear Antigen Measurement              |
| C106519         | EBVINTP                | EBV Profile Interpretation; Epstein-Barr Virus Antibody Profile; Epstein-Barr Virus Panel; Epstein-Barr Virus Profile Interpretation | An assessment of Epstein-Barr virus infection based on a panel of EBV antigen antibody tests.  | Epstein-Barr Virus Profile Interpretation             |
| C98721          | EBVVLD                 | EBV Viral Load   | A measurement of the Epstein-Barr virus viral load in a biological specimen.   | Epstein-Barr Virus Viral Load Measurement             |
| C96598          | ECCENTCY               | Eccentricocytes  | A measurement of the eccentricocytes (erythrocytes in which the hemoglobin is localized to a particular portion of the cell, noticeable as localized staining) in a biological specimen. | Eccentricocyte Count                                  |
| C100422         | ECT                    | Ecarin Clotting Time   | A measurement of the activity of thrombin inhibitors in a biological specimen based on the generation of meizothrombin.  | Ecarin Clotting Time Measurement                      |
| C100440         | EDTACLR                | EDTA Clearance   | A measurement of the volume of serum or plasma that would be cleared of Ethylenediamine tetraacetic acid (EDTA) by excretion of urine for a specified unit of time (e.g. one minute).    | EDTA Clearance  |
| C82009          | EGF                    | Epidermal Growth Factor  | A measurement of the epidermal growth factor in a biological specimen.   | Epidermal Growth Factor Measurement                   |
| C112273         | EGFR                   | ERBB1; Epidermal Growth Factor Receptor; HER1  | A measurement of the cells with positive expression of EGFR in a biological specimen.  | Epidermal Growth Factor Receptor Measurement          |
| C82028          | ELA1                   | Pancreatic Elastase 1  | A measurement of the pancreatic elastase 1 in a biological specimen.   | Pancreatic Elastase Measurement                       |
| C82029          | ELA1PMN                | Pancreatic Elastase 1, Polymorphonuclear   | A measurement of the polymorphonuclear pancreatic elastase 1 in a biological specimen.   | Polymorphonuclear Pancreatic Elastase Measurement     |
| C82026          | ELA2                   | Neutrophil Elastase  | A measurement of the neutrophil elastase in a biological specimen.   | Neutrophil Elastase Measurement                       |
| C82027          | ELA2PMN                | Neutrophil Elastase, Polymorphonuclear   | A measurement of the polymorphonuclear neutrophil elastase in a biological specimen.   | Polymorphonuclear Neutrophil Elastase Measurement     |

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                      |
| C64549          | ELLIPCY                | Elliptocytes;Ovalocytes  | A measurement of the elliptically shaped erythrocytes in a biological specimen.   | Elliptocyte Count                                       |
| C82010          | ENA78                  | Epith Neutrophil-Activating Peptide 78                                   | A measurement of the epithelial neutrophil-activating peptide in a biological specimen.   | Epithelial Neutrophil-Activating Peptide 78 Measurement |
| C92270          | ENAB                   | Anti-ENA;Extractable Nuclear Antigen Antibody                            | A measurement of the extractable nuclear antigen antibody in a biological specimen.   | Extractable Nuclear Antigen Antibody Measurement        |
| C82008          | ENDOTH1                | Endothelin-1   | A measurement of the endothelin-1 in a biological specimen.   | Endothelin-1 Measurement                                |
| C82011          | ENRAGE                 | Extracell Newly Ident RAGE Bind Protein;S100 Calcium Binding Protein A12 | A measurement of the extracellular newly identified RAGE (receptor for advanced glycation end products) binding protein in a biological specimen. | Extracell Newly Ident RAGE Bind Protein Measurement     |
| C64550          | EOS                    | Eosinophils  | A measurement of the eosinophils in a biological specimen.  | Eosinophil Count  |
| C114216         | EOSB                   | Eosinophils Band Form  | A measurement of the banded eosinophils in a biological specimen.   | Eosinophil Band Form Count                              |
| C114217         | EOSBLE                 | Eosinophils Band Form/Leukocytes   | A relative measurement (ratio or percentage) of the banded eosinophils to leukocytes in a biological specimen.                                    | Eosinophil Band Form to Leukocyte Ratio                 |
| C98720          | EOSCE                  | Eosinophils/Total Cells  | A relative measurement (ratio or percentage) of the eosinophils to total cells in a biological specimen (for example a bone marrow specimen).     | Eosinophils to Total Cell Ratio Measurement             |
| C96673          | EOSIM                  | Immature Eosinophils   | A measurement of the immature eosinophils in a biological specimen.   | Immature Eosinophil Count                               |
| C96674          | EOSIMLE                | Immature Eosinophils/Leukocytes  | A relative measurement (ratio or percentage) of immature eosinophils to total leukocytes in a biological specimen.                                | Immature Eosinophil to Leukocyte Ratio Measurement      |
| C64604          | EOSLE                  | Eosinophils/Leukocytes   | A relative measurement (ratio or percentage) of the eosinophils to leukocytes in a biological specimen.   | Eosinophil to Leukocyte Ratio                           |
| C84819          | EOSMM                  | Eosinophilic Metamyelocytes  | A measurement of the eosinophilic metamyelocytes in a biological specimen.  | Eosinophilic Metamyelocyte Count                        |
| C84821          | EOSMYL                 | Eosinophilic Myelocytes  | A measurement of the eosinophilic myelocytes in a biological specimen.  | Eosinophilic Myelocyte Count                            |
| C81952          | EOTAXIN1               | Chemokine Ligand 11;Eotaxin-1  | A measurement of the eotaxin-1 in a biological specimen.  | Eotaxin-1 Measurement                                   |
| C81953          | EOTAXIN2               | Chemokine Ligand 24;Eotaxin-2  | A measurement of the eotaxin-2 in a biological specimen.  | Eotaxin-2 Measurement                                   |
| C81954          | EOTAXIN3               | CCL26;Chemokine (C-C Motif) Ligand 26;Chemokine Ligand 26;Eotaxin-3      | A measurement of the eotaxin-3 in a biological specimen.  | Eotaxin-3 Measurement                                   |
| C64605          | EPIC                   | Epithelial Cells   | A measurement of the epithelial cells in a biological specimen.   | Epithelial Cell Count                                   |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C79445          | EPIN                   | Adrenaline;Epinephrine  | A measurement of the epinephrine hormone in a biological specimen.   | Epinephrine Measurement                                    |
| C74698          | EPIROCE                | Round Epithelial Cells  | A measurement of the round epithelial cells present in a biological specimen.  | Round Epithelial Cell Count                                |
| C74773          | EPISQCE                | Squamous Epithelial Cells   | A measurement of the squamous epithelial cells present in a biological specimen.   | Squamous Epithelial Cell Count                             |
| C74774          | EPISQTCE               | Epithelial Cells;Squamous Transitional Epithelial Cells             | A measurement of the squamous transitional epithelial cells present in a biological specimen.  | Squamous Transitional Epithelial Cell Count                |
| C92251          | EPITCE                 | Transitional Epithelial Cells                                       | A measurement of the transitional epithelial cells present in a biological specimen.   | Transitional Epithelial Cells Measurement                  |
| C74775          | EPITUCE                | Renal Tubular Epithelial Cells;Tubular Epithelial Cells             | A measurement of the tubular epithelial cells present in a biological specimen.  | Tubular Epithelial Cell Count                              |
| C74855          | EPO                    | Erythropoietin;Hematopoietin  | A measurement of the erythropoietin hormone in a biological specimen.  | Erythropoietin Measurement                                 |
| C119273         | ESELS                  | Soluble E-Selectin;sE-selectin                                      | A measurement of the soluble E-Selectin activity in a biological specimen.   | Soluble E-Selectin Measurement                             |
| C74611          | ESR                    | Biernacki Reaction;Erythrocyte Sedimentation Rate                   | The distance (e.g. millimeters) that red blood cells settle in unclotted blood over a specified unit of time (e.g. one hour).            | Erythrocyte Sedimentation Rate Measurement                 |
| C112274         | ESTRCPT                | ER;ESR;Estrogen Receptor;Oestrogen Receptor                         | A measurement of estrogen receptor protein in a biological specimen.   | Estrogen Receptor Measurement                              |
| C74782          | ESTRDIOL               | Estradiol;Oestradiol  | A measurement of the estradiol in a biological specimen.   | Estradiol Measurement                                      |
| C74856          | ESTRIOL                | Estriol;Oestriol  | A measurement of the estriol hormone in a biological specimen.   | Estriol Measurement  |
| C81963          | ESTRIOLF               | Estriol, Free   | A measurement of the free estriol in a biological specimen.  | Free Estriol Measurement                                   |
| C74857          | ESTRONE                | Estrone;Oestrone  | A measurement of the estrone hormone in a biological specimen.   | Estrone Measurement  |
| C74693          | ETHANOL                | Alcohol;Ethanol   | A measurement of the ethanol present in a biological specimen.   | Ethanol Measurement  |
| C102266         | ETP                    | Endogenous Thrombin Potential                                       | A measurement of the total concentration of thrombin generated in the presence of a substrate in a plasma or blood sample.               | Endogenous Thrombin Potential Measurement                  |
| C102263         | ETPAUC                 | ETP Area Under Curve;Endogenous Thrombin Potential Area Under Curve | A measurement of the area under the thrombin generation curve.   | Endogenous Thrombin Potential Area Under Curve Measurement |
| C102264         | ETPLT                  | ETP Lag Time;Endogenous Thrombin Potential Lag Time                 | A measurement of time from the start of the thrombin generation test to the point where a predetermined amount of thrombin is generated. | Endogenous Thrombin Potential Lag Time Measurement         |

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| NCI Code | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
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| C102265  | ETPLTR                 | ETP Lag Time Relative;Endogenous Thrombin Potential Lag Time Relative         | A relative measurement (ratio or percentage) of time from the start of the thrombin generation test to the point where a predetermined amount of thrombin is generated. | Endogenous Thrombin Potential Lag Time Relative Measurement     |
| C102267  | ETPPH                  | ETP Peak Height;Endogenous Thrombin Potential Peak Height                     | A measurement of the maximum concentration of thrombin generated during a thrombin generation test.   | Endogenous Thrombin Potential Peak Height Measurement           |
| C102268  | ETPPHR                 | ETP Peak Height Relative;Endogenous Thrombin Potential Peak Height Relative   | A relative (ratio or percentage) of the maximum concentration of thrombin generated during a thrombin generation test.  | Endogenous Thrombin Potential Peak Height Relative Measurement  |
| C102269  | ETPTP                  | ETP Time to Peak;Endogenous Thrombin Potential Time to Peak                   | A measurement of the time it takes to generate the maximum concentration of thrombin.   | Endogenous Thrombin Potential Time to Peak Measurement          |
| C102270  | ETPTPR                 | ETP Time to Peak Relative;Endogenous Thrombin Potential Time to Peak Relative | A relative (ratio or percentage) measurement of the time it takes to generate the maximum concentration of thrombin.  | Endogenous Thrombin Potential Time to Peak Relative Measurement |
| C82012   | FABP1                  | Fatty Acid Binding Protein 1  | A measurement of the fatty acid binding protein 1 in a biological specimen.   | Fatty Acid Binding Protein 1 Measurement                        |
| C106521  | FABP3                  | Fatty Acid Binding Protein 3  | A measurement of the fatty acid binding protein 3 in a biological specimen.   | Fatty Acid Binding Protein 3 Measurement                        |
| C96626   | FACTII                 | Factor II;Prothrombin   | A measurement of the coagulation factor II in a biological specimen.  | Prothrombin Measurement   |
| C81959   | FACTIII                | Factor III;Tissue Factor, CD142   | A measurement of the coagulation factor III in a biological specimen.   | Factor III Measurement  |
| C98725   | FACTIX                 | Christmas Factor;Factor IX  | A measurement of the coagulation factor IX in a biological specimen.  | Factor IX Measurement   |
| C103395  | FACTIXA                | Christmas Factor Activity;Factor IX Activity                                  | A measurement of the biological activity of coagulation factor IX in a biological specimen.   | Factor IX Activity Measurement                                  |
| C98726   | FACTV                  | Factor V;Labile Factor  | A measurement of the coagulation factor V in a biological specimen.   | Factor V Measurement  |
| C103396  | FACTVA                 | Factor V Activity;Labile Factor Activity                                      | A measurement of the biological activity of coagulation factor V in a biological specimen.  | Factor V Activity Measurement                                   |
| C81960   | FACTVII                | Factor VII;Proconvertin;Stable Factor   | A measurement of the coagulation factor VII in a biological specimen.   | Factor VII Measurement  |
| C103397  | FACTVIIA               | Factor VII Activity;Proconvertin Activity;Stable Factor Activity              | A measurement of the biological activity of coagulation factor VII in a biological specimen.  | Factor VII Activity Measurement                                 |
| C81961   | FACTVIII               | Anti-hemophilic Factor;Factor VIII  | A measurement of the coagulation factor VIII in a biological specimen.  | Factor VIII Measurement   |
| C102271  | FACTVL                 | Factor V Leiden   | A measurement of the coagulation factor V Leiden in a biological specimen.  | Factor V Leiden Measurement                                     |
| C98799   | FACTVW                 | von Willebrand Factor;von Willebrand Factor Antigen                           | A measurement of the von Willebrand coagulation factor in a biological specimen.  | von Willebrand Factor Measurement                               |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                 |
| C122117         | FACTVWA                | von Willebrand Factor Activity                                      | A measurement of the biological activity of von Willebrand coagulation factor in a biological specimen.   | von Willebrand Factor Activity Measurement         |
| C98727          | FACTX                  | Factor X  | A measurement of the coagulation factor X in a biological specimen.   | Factor X Measurement                               |
| C122118         | FACTXA                 | Factor X Activity   | A measurement of the coagulation factor X activity in a biological specimen.  | Factor X Activity Measurement                      |
| C112277         | FACTXIII               | Factor XIII;Fibrin Stabilizing Factor                               | A measurement of the coagulation factor XIII in a biological specimen.  | Factor XIII Measurement                            |
| C102272         | FACTXIV                | Autoprothrombin IIA;Factor XIV;Protein C;Protein C Antigen          | A measurement of the coagulation factor XIV in a biological specimen.   | Factor XIV Measurement                             |
| C105442         | FACTXIVA               | Factor XIV Activity;Protein C Activity;Protein C Function           | A measurement of the coagulation factor XIV activity in a biological specimen.  | Factor XIV Activity Measurement                    |
| C124341         | FAI                    | Free Androgen Index   | A measurement of the androgen status in a biological specimen. This is calculated by a mathematical formula that takes into account the total testosterone level, sex hormone binding globulin, and a constant.   | Free Androgen Index                                |
| C96648          | FAT                    | Fat   | A measurement of the fat in a biological specimen.  | Fat Measurement                                    |
| C80200          | FATACFR                | Free Fatty Acid;Non-Esterified Fatty Acid, Free                     | A measurement of the total non-esterified fatty acids in a biological specimen.   | Non-esterified Fatty Acids Measurement             |
| C80206          | FATACFRS               | Free Fatty Acid, Saturated;Non-esterified Fatty Acid, Saturated     | A measurement of the saturated non-esterified fatty acids in a biological specimen.   | Saturated Non-esterified Fatty Acids Measurement   |
| C80209          | FATACFRU               | Free Fatty Acid, Unsaturated;Non-esterified Fatty Acid, Unsaturated | A measurement of the unsaturated non-esterified fatty acids in a biological specimen.   | Unsaturated Non-esterified Fatty Acids Measurement |
| C81947          | FATBODOV               | Fat Bodies, Oval  | A measurement of the oval-shaped fat bodies, usually renal proximal tubular cells with lipid aggregates in the cytoplasm, in a biological specimen.   | Oval Fat Body Measurement                          |
| C98728          | FATDROP                | Fat Droplet   | A measurement of the triglyceride aggregates within a biological specimen.  | Fat Droplet Measurement                            |
| C105443         | FBRTST                 | FibroSURE Score;FibroTest Score                                     | A biomarker test that measures liver pathology through the assessment of a six-parameter blood test (for Alpha-2-macroglobulin, Haptoglobin, Apolipoprotein A1, Gamma-glutamyl transpeptidase (GGT), Total bilirubin, and Alanine aminotransferase (ALT)), taking into account the age and gender of the patient. | FibroTest Score Measurement                        |
| C103398         | FCTVIIAA               | Factor VIIa Activity  | A measurement of the biological activity of coagulation factor VIIa in a biological specimen.   | Factor VIIa Activity Measurement                   |
| C103399         | FCTVIII                | Anti-hemophilic Factor Activity;Factor VIII Activity                | A measurement of the biological activity of coagulation factor VIII in a biological specimen.   | Factor VIII Activity Measurement                   |

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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                              |
| C82013          | FDP                    | Fibrin Degradation Products  | A measurement of the fibrin degradation products in a biological specimen.   | Fibrin Degradation Products Measurement         |
| C114219         | FECA                   | Fractional Calcium Excretion   | A measurement of the fractional excretion of calcium that is computed based upon the concentrations of calcium and creatinine in both blood and urine.       | Fractional Excretion of Calcium                 |
| C114220         | FECL                   | Fractional Chloride Excretion  | A measurement of the fractional excretion of chloride that is computed based upon the concentrations of chloride and creatinine in both blood and urine.     | Fractional Excretion of Chloride                |
| C114222         | FEK                    | Fractional Potassium Excretion   | A measurement of the fractional excretion of potassium that is computed based upon the concentrations of potassium and creatinine in both blood and urine.   | Fractional Excretion of Potassium               |
| C122119         | FEMG                   | Fractional Magnesium Excretion   | A measurement of the fractional excretion of magnesium that is computed based upon the concentrations of magnesium and creatinine in both blood and urine.   | Fractional Excretion of Magnesium               |
| C107435         | FENA                   | Fractional Sodium Excretion  | A measurement of the fractional excretion of sodium that is computed based upon the concentrations of sodium and creatinine in both blood and urine.         | Fractional Excretion of Sodium                  |
| C114221         | FEPI                   | Fractional Inorganic Phosphate Excretion;Fractional Phosphorus Excretion | A measurement of the fractional excretion of phosphorus that is computed based upon the concentrations of phosphorus and creatinine in both blood and urine. | Fractional Excretion of Phosphate               |
| C74737          | FERRITIN               | Ferritin   | A measurement of the ferritin in a biological specimen.  | Ferritin Measurement                            |
| C112280         | FGF21                  | FGF 21;Fibroblast Growth Factor 21                                       | A measurement of the fibroblast growth factor 21 in a biological specimen.   | Fibroblast Growth Factor 21 Measurement         |
| C96650          | FGF23                  | Fibroblast Growth Factor 23;Phosphatonin                                 | A measurement of the fibroblast growth factor 23 in a biological specimen.   | Fibroblast Growth Factor 23 Measurement         |
| C82014          | FGFBF                  | FGF2;Fibroblast Growth Factor Basic Form                                 | A measurement of the basic form of fibroblast growth factor in a biological specimen.  | Fibroblast Growth Factor Basic Form Measurement |
| C64606          | FIBRINO                | Fibrinogen   | A measurement of the fibrinogen in a biological specimen.  | Fibrinogen Measurement                          |
| C122120         | FLUORIDE               | Fluoride   | A measurement of the fluoride in a biological specimen.  | Fluoride Measurement                            |
| C74678          | FRUCT                  | Fructosamine;Glycated Serum Protein                                      | A measurement of the fructosamine in a biological specimen.  | Fructosamine Measurement                        |
| C74783          | FSH                    | Follicle Stimulating Hormone   | A measurement of the follicle stimulating hormone (FSH) in a biological specimen.  | Follicle Stimulating Hormone Measurement        |
| C80184          | G6PD                   | Glucose-6-Phosphate Dehydrogenase  | A measurement of the glucose-6-phosphate dehydrogenase in a biological specimen.   | Glucose-6-Phosphate Dehydrogenase Measurement   |

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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C82015          | GAD1                   | Glutamic Acid Decarboxylase 1;Glutamic Acid Decarboxylase 67                   | A measurement of the glutamic acid decarboxylase 1 in a biological specimen.   | Glutamic Acid Decarboxylase 1 Measurement                                       |
| C82016          | GAD2                   | Glutamic Acid Decarboxylase 2;Glutamic Acid Decarboxylase 65                   | A measurement of the glutamic acid decarboxylase 2 in a biological specimen.   | Glutamic Acid Decarboxylase 2 Measurement                                       |
| C82017          | GAD2AB                 | Glutamic Acid Decarboxylase 2 Antibody;Glutamic Acid Decarboxylase 65 Antibody | A measurement of the glutamic acid decarboxylase 2 antibody in a biological specimen.  | Glutamic Acid Decarboxylase 2 Antibody Measurement                              |
| C96653          | GADAB                  | GAD Antibody;Glutamic Acid Decarboxylase Antibody                              | A measurement of the glutamic acid decarboxylase antibody in a biological specimen.  | Glutamic Acid Decarboxylase Antibody Measurement                                |
| C80182          | GALANIN                | Galanin  | A measurement of the galanin in a biological specimen.   | Galanin Measurement   |
| C74858          | GASTRIN                | Gastrin  | A measurement of the gastrin hormone in a biological specimen.   | Gastrin Measurement   |
| C116211         | GATCPHRL               | Gamma Tocopherol   | A measurement of the gamma tocopherol in a biological specimen.  | Gamma Tocopherol Measurement  |
| C82018          | GCSF                   | Granulocyte Colony Stimulating Factor  | A measurement of the granulocyte colony stimulating factor in a biological specimen.   | Granulocyte Colony Stimulating Factor Measurement                               |
| C124342         | GEC                    | Galactose Elimination Capacity   | A liver function test that measures galactose elimination capacity in a biological specimen.   | Galactose Elimination Capacity  |
| C90505          | GFR                    | Glomerular Filtration Rate   | A kidney function test that measures the fluid volume that is filtered from the kidney glomeruli to the Bowman's capsule per unit of time.         | Glomerular Filtration Rate  |
| C98734          | GFRBSA                 | Glomerular Filtration Rate Adj for BSA   | A measurement of the glomerular filtration rate adjusted for body size.  | Glomerular Filtration Rate Adjusted for BSA                                     |
| C100450         | GFRBSB2M               | GFR from B-2 Microglobulin Adj for BSA   | A measurement of the glomerular filtration rate (GFR) based on the clearance of beta-2 microglobulin after adjusting it for the body surface area. | Glomerular Filtration Rate from B-2 Microglobulin Adjusted for BSA Measurement  |
| C100449         | GFRBSBTP               | GFR from Beta-Trace Protein Adj for BSA  | A measurement of the glomerular filtration rate (GFR) based on the clearance of beta-trace protein after adjusting it for the body surface area.   | Glomerular Filtration Rate from Beta-Trace Protein Adjusted for BSA Measurement |
| C127614         | GFRBSCCC               | GFR from Cystatin C and Creat Adj BSA  | An estimation of the glomerular filtration rate adjusted for body surface area based on cystatin C and creatinine.                                 | Glomerular Filtration Rate from Cystatin C and Creatinine Adjusted for BSA      |
| C98735          | GFRBSCRT               | GFR from Creatinine Adjusted for BSA   | An estimation of the glomerular filtration rate adjusted for body size based on creatinine.  | Glomerular Filtration Rate from Creatinine Adjusted for BSA                     |
| C98736          | GFRBSCYC               | GFR from Cystatin C Adjusted for BSA   | An estimation of the glomerular filtration rate adjusted for body size based on cystatin C.  | Glomerular Filtration Rate from Cystatin C Adjusted for BSA                     |
| C110935         | GFRE                   | Glomerular Filtration Rate, Estimated  | A kidney function test that estimates the fluid volume that is filtered from the kidney glomeruli to the Bowman's capsule per unit of time.        | Estimated Glomerular Filtration Rate  |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term  |
| C64847          | GGT                    | Gamma Glutamyl Transferase  | A measurement of the gamma glutamyl transferase in a biological specimen.  | Gamma Glutamyl Transpeptidase Measurement                   |
| C79446          | GGTCREAT               | Gamma Glutamyl Transferase/Creatinine   | A relative measurement (ratio or percentage) of the gamma glutamyl transferase to creatinine in a biological specimen.       | Gamma Glutamyl Transferase to Creatinine Ratio Measurement  |
| C112286         | GHRELIN                | Ghrelin;Growth Hormone Secretagogue Receptor Ligand;Motilin-related Peptide;Total Ghrelin   | A measurement of total ghrelin in a biological specimen.   | Ghrelin Measurement   |
| C112219         | GHRELINA               | Active Ghrelin;Ghrelin  | A measurement of active ghrelin in a biological specimen.  | Active Ghrelin Measurement                                  |
| C106537         | GIPI                   | Glucose-dep Insulinotropic Pep, Intact;Intact GIP;Intact Gastric Inhibitory Polypeptide;Intact Glucose-dependent Insulinotropic Peptide | A measurement of the intact (containing amino acids 1-42) glucose-dependent insulinotropic peptide in a biological specimen. | Intact Glucose-dependent Insulinotropic Peptide Measurement |
| C79448          | GLDH                   | Glutamate Dehydrogenase   | A measurement of the glutamate dehydrogenase in a biological specimen.   | Glutamate Dehydrogenase Measurement                         |
| C122121         | GLN                    | Glutamine   | A measurement of the glutamine in a biological specimen.   | Glutamine Measurement                                       |
| C92252          | GLOBA1                 | A1-Globulin;Alpha-1 Globulin  | A measurement of the proteins contributing to the alpha 1 fraction in a biological specimen.                                 | Alpha-1 Globulin Measurement                                |
| C92253          | GLOBA1PT               | Alpha-1 Globulin/Total Protein  | A relative measurement (ratio or percentage) of alpha-1-fraction proteins to total proteins in a biological specimen.        | Alpha-1 Globulin to Total Protein Ratio Measurement         |
| C92254          | GLOBA2                 | A2-Globulin;Alpha-2 Globulin  | A measurement of the proteins contributing to the alpha 2 fraction in a biological specimen.                                 | Alpha-2 Globulin Measurement                                |
| C92255          | GLOBA2PT               | Alpha-2 Globulin/Total Protein  | A relative measurement (ratio or percentage) of alpha-2-fraction proteins to total proteins in a biological specimen.        | Alpha-2 Globulin to Total Protein Ratio Measurement         |
| C92256          | GLOBB                  | Beta Globulin   | A measurement of the proteins contributing to the beta fraction in a biological specimen.                                    | Beta Globulin Measurement                                   |
| C119274         | GLOBB1                 | Beta-1 Globulin   | A measurement of the beta-1 globulin in a biological specimen.   | Beta-1 Globulin Measurement                                 |
| C119275         | GLOBB1PT               | Beta-1 Globulin/Total Protein   | A relative measurement (ratio or percentage) of beta-1-fraction proteins to total proteins in a biological specimen.         | Beta-1 Globulin to Total Protein Ratio Measurement          |
| C119276         | GLOBB2                 | Beta-2 Globulin   | A measurement of the beta-2 globulin in a biological specimen.   | Beta-2 Globulin Measurement                                 |
| C119277         | GLOBB2PT               | Beta-2 Globulin/Total Protein   | A relative measurement (ratio or percentage) of beta-2-fraction proteins to total proteins in a biological specimen.         | Beta-2 Globulin to Total Protein Ratio Measurement          |
| C92294          | GLOBBPT                | Beta Globulin/Total Protein   | A relative measurement (ratio or percentage) of beta fraction proteins to total proteins in a biological specimen.           | Beta Globulin to Total Protein Ratio Measurement            |



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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                    |
| C92257          | GLOBG                  | Gamma Globulin   | A measurement of the proteins contributing to the gamma fraction in a biological specimen.  | Gamma Globulin Measurement                            |
| C92295          | GLOBGPT                | Gamma Globulin/Total Protein   | A relative measurement (ratio or percentage) of gamma fraction proteins to total proteins in a biological specimen.                                   | Gamma Globulin to Total Protein Ratio Measurement     |
| C74738          | GLOBUL                 | Globulin   | A measurement of the globulin protein in a biological specimen.   | Globulin Protein Measurement                          |
| C80183          | GLP1                   | Glucagon-Like Peptide-1;Total Glucagon-Like Peptide-1                | A measurement of the total glucagon-like peptide-1 in a biological specimen.  | Glucagon-like Peptide-1 Measurement                   |
| C80164          | GLP1AC                 | Glucagon-Like Peptide-1, Active Form                                 | A measurement of the active form of glucagon-like peptide-1 in a biological specimen.   | Active Glucagon-like Peptide-1 Measurement            |
| C105585         | GLUC                   | Glucose  | A measurement of the glucose in a biological specimen.  | Glucose Measurement                                   |
| C74859          | GLUCAGON               | Glucagon   | A measurement of the glucagon hormone in a biological specimen.   | Glucagon Measurement                                  |
| C96652          | GLUCCLR                | Glucose Clearance  | A measurement of the volume of serum or plasma that would be cleared of glucose by excretion of urine for a specified unit of time (e.g. one minute). | Glucose Clearance Measurement                         |
| C79447          | GLUCCRT                | Glucose/Creatinine   | A relative measurement (ratio or percentage) of the glucose to creatinine in a biological specimen.   | Glucose to Creatinine Ratio Measurement               |
| C117834         | GLUCEXR                | Glucose Excretion Rate   | A measurement of the amount of glucose being excreted in urine over a defined amount of time (e.g. one hour).   | Glucose Urine Excretion Rate                          |
| C74739          | GLUTAM                 | Glutamate;Glutamic Acid  | A measurement of the glutamate in a biological specimen.  | Glutamate Measurement                                 |
| C122122         | GLY                    | Glycine  | A measurement of the glycine in a biological specimen.  | Glycine Measurement                                   |
| C100448         | GLYCRLFR               | Free Glycerin;Free Glycerol  | A measurement of the amount of unbound glycerol in a biological specimen.   | Free Glycerol Measurement                             |
| C82019          | GMCSF                  | Granulocyte Macrophage Colony Stm Factor                             | A measurement of the granulocyte macrophage colony stimulating factor in a biological specimen.   | Granulocyte Macrophage Colony Stm Factor Measurement  |
| C74860          | GNRH                   | Gonadotropin Releasing Hormone;Luteinising Hormone Releasing Hormone | A measurement of the gonadotropin releasing hormone in a biological specimen.   | Gonadotropin Releasing Hormone Measurement            |
| C80186          | GOLD                   | Gold   | A measurement of the gold in a biological specimen.   | Gold Measurement                                      |
| C96654          | GRAN                   | Granulocytes   | A measurement of the granulocytes in a biological specimen.   | Granulocyte Count                                     |
| C127615         | GRANBCE                | Granulocytes Band Form/Total Cells                                   | A relative measurement (ratio or percentage) of the banded granulocytes to total cells in a biological specimen.                                      | Band Form Granulocyte to Total Cell Ratio Measurement |

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| NCI Code        | CDISC Submission Value | CDISC Synonym                                  | CDISC Definition   | NCI Preferred Term  |
| C98866          | GRANCE                 | Granulocytes/Total Cells                       | A relative measurement (ratio or percentage) of the granulocytes to total cells in a biological specimen (for example a bone marrow specimen).         | Granulocyte to Total Cell Ratio Measurement                     |
| C96675          | GRANIM                 | Immature Granulocytes                          | A measurement of the total immature granulocytes in a biological specimen.   | Immature Granulocyte Count                                      |
| C100445         | GRANIMLE               | Immature Granulocytes/Leukocytes               | A relative measurement (ratio or percentage) of the immature granulocytes to leukocytes in a biological specimen (for example a bone marrow specimen). | Immature Granulocytes to Leukocytes Ratio Measurement           |
| C127616         | GRANSGCE               | Granulocytes Segmented/Total Cells             | A relative measurement (ratio or percentage) of the segmented granulocytes to total cells in a biological specimen.                                    | Segmented Granulocyte to Total Cell Ratio Measurement           |
| C74861          | GRWHIH                 | Growth Hormone Inhibiting Hormone;Somatostatin | A measurement of the growth hormone inhibiting hormone in a biological specimen.   | Growth Hormone Inhibiting Hormone Measurement                   |
| C74862          | GRWHRH                 | Growth Hormone Releasing Hormone;Somatocrinin  | A measurement of the growth hormone releasing hormone in a biological specimen.  | Growth Hormone Releasing Hormone Measurement                    |
| C80185          | GST                    | Glutathione S-Transferase, Total               | A measurement of the total glutathione-s-transferase in a biological specimen.   | Glutathione-S-Transferase Measurement                           |
| C79433          | GSTAL                  | Alpha Glutathione-S-Transferase                | A measurement of the alpha form of glutathione S-transferase in a biological specimen.   | Alpha Glutathione-S-Transferase Measurement                     |
| C80166          | GSTALCRT               | Glutathione S-Transferase, Alpha/Creat         | A relative measurement (ratio or percentage) of the alpha glutathione-S-transferase to creatinine in a biological specimen.                            | Alpha Glutathione-S-Transferase to Creatinine Ratio Measurement |
| C119278         | GSTALEXR               | Alpha-GST Excretion Rate                       | A measurement of the amount of Alpha Glutathione-S-Transferase being excreted in urine over a defined period of time (e.g. one hour).                  | Alpha-GST Excretion Rate  |
| C79435          | GSTCREAT               | Glutathione-S-Transferase/Creatinine           | A relative measurement (ratio or percentage) of the glutathione S-transferase to creatinine in a biological specimen.                                  | Glutathione-S-Transferase to Creatinine Ratio Measurement       |
| C79457          | GSTMU                  | Mu Glutathione-S-Transferase                   | A measurement of the mu form of glutathione S-transferase in a biological specimen.  | Mu Glutathione-S-Transferase Measurement                        |
| C79458          | GSTMUCRT               | Mu Glutathione-S-Transferase/Creatinine        | A relative measurement (ratio or percentage) of the mu gamma glutamyl transpeptidase to creatinine in a biological specimen.                           | Mu Glutathione-S-Transferase to Creatinine Ratio Measurement    |
| C80203          | GSTPI                  | Glutathione S-Transferase, Pi                  | A measurement of the Pi glutathione-s-transferase in a biological specimen.  | Pi Glutathione S-Transferase Measurement                        |
| C119279         | GSTPIEXR               | Pi-GST Excretion Rate                          | A measurement of the amount of Pi Glutathione-S-Transferase being excreted in urine over a defined period of time (e.g. one hour).                     | Pi-GST Excretion Rate   |
| C80207          | GSTTH                  | Glutathione S-Transferase, Theta               | A measurement of the theta glutathione-s-transferase in a biological specimen.   | Theta Glutathione S-Transferase Measurement                     |

| C65047 LBTESTCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term                              |
| C80165          | GUSA                   | Glucuronidase, Alpha                   | A measurement of the alpha glucuronidase in a biological specimen.  | Alpha Glucuronidase Measurement                 |
| C80170          | GUSB                   | Glucuronidase, Beta                    | A measurement of the beta glucuronidase in a biological specimen.   | Beta Glucuronidase Measurement                  |
| C92534          | HAAB                   | Hepatitis A Virus Antibody             | A measurement of the antibody reaction of a biological specimen to the Hepatitis A virus.                                 | Hepatitis A Antibody Measurement                |
| C92271          | HAIGMAB                | Hepatitis A Virus IgM Antibody         | A measurement of hepatitis A virus IgM antibody in a biological specimen.   | Hepatitis A Virus Antibody IgM Measurement      |
| C74604          | HAIRYCE                | Hairy Cells                            | A measurement of the hairy cells (b-cell lymphocytes with hairy projections from the cytoplasm) in a biological specimen. | Hairy Cell Count                                |
| C103405         | HALBAB                 | Human Albumin Antibody                 | A measurement of the human albumin antibody in a biological specimen.   | Human Albumin Antibody Measurement              |
| C103406         | HAMAB                  | HAMA;Human Anti-Mouse Antibody         | A measurement of the human anti-mouse antibody in a biological specimen.  | Human Anti-Mouse Antibody Measurement           |
| C74740          | HAPTOG                 | Haptoglobin                            | A measurement of the haptoglobin protein in a biological specimen.  | Haptoglobin Protein Measurement                 |
| C98740          | HASIGEAB               | Human Anti-Sheep IgE Antibody          | A measurement of the human anti-sheep IgE antibodies in a biological specimen.  | Human Anti-Sheep IgE Antibody Measurement       |
| C98741          | HASIGGAB               | Human Anti-Sheep IgG Antibody          | A measurement of the human anti-sheep IgG antibodies in a biological specimen.  | Human Anti-Sheep IgG Antibody Measurement       |
| C98742          | HASIGMAB               | Human Anti-Sheep IgM Antibody          | A measurement of the human anti-sheep IgM antibodies in a biological specimen.  | Human Anti-Sheep IgM Antibody Measurement       |
| C92541          | HAVVLD                 | HAV Viral Load                         | A measurement of the hepatitis A viral load in a biological specimen.   | Hepatitis A Viral Load Measurement              |
| C64849          | HBA1C                  | Glycosylated Hemoglobin;Hemoglobin A1C | A measurement of the glycosylated hemoglobin in a biological specimen.  | Glycosylated Hemoglobin Measurement             |
| C111207         | HBA1CHGB               | Hemoglobin A1C/Hemoglobin              | A relative measurement (ratio or percentage) of the glycosylated hemoglobin to total hemoglobin in a biological specimen. | Hemoglobin A1C to Hemoglobin Ratio Measurement  |
| C125944         | HBAB                   | Hepatitis B Virus Antibody             | A measurement of an unspecified hepatitis B antibody in a biological specimen.  | Hepatitis B Virus Antibody Measurement          |
| C96660          | HBCAB                  | Hepatitis B Virus Core Antibody        | A measurement of the hepatitis B virus core antibody in a biological specimen.  | Hepatitis B Virus Core Antibody Measurement     |
| C119280         | HBCIGGAB               | Hepatitis B Virus Core IgG Antibody    | A measurement of the hepatitis B virus core IgG antibody in a biological specimen.  | Hepatitis B Virus Core IgG Antibody Measurement |
| C96661          | HBCIGMAB               | Hepatitis B Virus Core IgM Antibody    | A measurement of the hepatitis B virus core IgM antibody in a biological specimen.  | Hepatitis B Virus Core IgM Antibody Measurement |
| C103404         | HBDNA                  | Hepatitis B DNA                        | A measurement of hepatitis B virus DNA in a biological specimen.  | Hepatitis B DNA Measurement                     |

| C65047 LBTESTCD |                        |   |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                   |
| C96662          | HBEAB                  | Hepatitis B Virus e Antibody                                      | A measurement of the hepatitis B e antibody in a biological specimen.   | Hepatitis B Virus e Antibody Measurement             |
| C96663          | HBEAG                  | Hepatitis B Virus e Antigen                                       | A measurement of the hepatitis B e antigen in a biological specimen.  | Hepatitis B Virus e Antigen Measurement              |
| C74711          | HBSAB                  | Anti-HBs;HBsAb;Hepatitis B Virus Surface Antibody                 | A measurement of the surface antibody reaction of a biological specimen to the Hepatitis B virus.                                   | Hepatitis B Surface Antibody Measurement             |
| C64850          | HBSAG                  | HBsAg;Hepatitis B Virus Surface Antigen                           | A measurement of the surface antigen reaction of a biological specimen to the Hepatitis B virus.                                    | Hepatitis B Virus Surface Antigen Measurement        |
| C92542          | HBVULD                 | HBV Viral Load  | A measurement of the hepatitis B viral load in a biological specimen.   | Hepatitis B Viral Load Measurement                   |
| C92535          | HCAB                   | Hepatitis C Virus Antibody  | A measurement of the antibody reaction of a biological specimen to the Hepatitis C virus.   | Hepatitis C Antibody Measurement                     |
| C116196         | HCAG                   | Hepatitis C Virus Antigen   | A measurement of the hepatitis C virus antigen in a biological specimen.  | Hepatitis C Virus Antigen Measurement                |
| C64851          | HCG                    | Choriogonadotropin Beta;Pregnancy Test                            | A measurement of the Choriogonadotropin Beta in a biological specimen.  | Choriogonadotropin Beta Measurement                  |
| C64796          | HCT                    | EVF;Erythrocyte Volume Fraction;Hematocrit;PCV;Packed Cell Volume | The percentage of a whole blood specimen that is composed of red blood cells (erythrocytes).  | Hematocrit Measurement                               |
| C92543          | HCVULD                 | HCV RNA;HCV Viral Load;Hepatitis C RNA                            | A measurement of the hepatitis C viral load in a biological specimen.   | Hepatitis C Viral Load Measurement                   |
| C96664          | HDAB                   | Hepatitis D Virus Antibody;Hepatitis Delta Antibody               | A measurement of the hepatitis D virus antibody in a biological specimen.   | Hepatitis D Virus Antibody Measurement               |
| C119281         | HDIGGAB                | Hepatitis D Virus IgG Antibody                                    | A measurement of the hepatitis D virus IgG antibody in a biological specimen.   | Hepatitis D Virus IgG Antibody Measurement           |
| C119282         | HDIGMAB                | Hepatitis D Virus IgM Antibody                                    | A measurement of the hepatitis D virus IgM antibody in a biological specimen.   | Hepatitis D Virus IgM Antibody Measurement           |
| C105587         | HDL                    | HDL Cholesterol   | A measurement of the high density lipoprotein cholesterol in a biological specimen.   | High Density Lipoprotein Cholesterol Measurement     |
| C80187          | HDL2                   | HDL-Cholesterol Subclass 2  | A measurement of the high-density lipoprotein (HDL) cholesterol subclass 2 in a biological specimen.                                | HDL-Cholesterol Subclass 2 Measurement               |
| C80188          | HDL3                   | HDL-Cholesterol Subclass 3  | A measurement of the high-density lipoprotein (HDL) cholesterol subclass 3 in a biological specimen.                                | HDL-Cholesterol Subclass 3 Measurement               |
| C100425         | HDLCLDLC               | HDL Cholesterol/LDL Cholesterol                                   | A relative measurement (ratio or percentage) of the amount of HDL cholesterol compared to LDL cholesterol in a biological specimen. | HDL Cholesterol to LDL Cholesterol Ratio Measurement |
| C103402         | HDLPSZ                 | HDL Particle Size   | A measurement of the average particle size of high-density lipoprotein in a biological specimen.                                    | HDL Particle Size Measurement                        |

| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
| C106525         | HDW                    | Hemoglobin Distribution Width                           | A measurement of the distribution of the hemoglobin concentration in red blood cells.  | Hemoglobin Distribution Width Measurement            |
| C119283         | HEAB                   | Hepatitis E Virus Antibody                              | A measurement of the antibody reaction of a biological specimen to the Hepatitis E virus.  | Hepatitis E Virus Antibody Measurement               |
| C106526         | HEIGGAB                | Hepatitis E Virus IgG Antibody                          | A measurement of IgG antibody to the hepatitis E virus in a biological specimen.   | Hepatitis E Virus IgG Antibody Measurement           |
| C96665          | HEIGMAB                | Hepatitis E Virus IgM Antibody                          | A measurement of the hepatitis E virus IgM antibody in a biological specimen.  | Hepatitis E Virus IgM Antibody Measurement           |
| C74709          | HEINZ                  | Heinz Bodies;Heinz-Ehrlich Bodies                       | A measurement of the Heinz bodies (small round inclusions within the body of a red blood cell) in a biological specimen.                               | Heinz-Ehrlich Body Measurement                       |
| C111206         | HEINZRBC               | Heinz Bodies/Erythrocytes                               | A relative measurement (ratio or percentage) of the erythrocytes that contain heinz bodies to total erythrocytes in a biological specimen.             | Heinz Body to Erythrocyte Ratio Measurement          |
| C74658          | HELMETCE               | Helmet Cells  | A measurement of the Helmet cells (specialized Keratocytes with two projections on either end that are tapered and hornlike) in a biological specimen. | Helmet Cell Count                                    |
| C111208         | HEMOLYSI               | Hemolysis;Hemolytic Index                               | A measurement of the destruction of red blood cells in a biological specimen.  | Hemolytic Index                                      |
| C112312         | HER2                   | ERBB2;HER2/NEU;Human Epidermal Growth Factor Receptor 2 | A measurement of HER2 protein in a biological specimen.  | Human Epidermal Growth Factor Receptor 2 Measurement |
| C112291         | HER2AG                 | HER2 Antigen;HER2/NEU Antigen                           | A measurement of the HER2 antigen in a biological specimen.  | HER2 Antigen Measurement                             |
| C116186         | HETRPH                 | Heterophils   | A measurement of heterophils (granular leukocytes) in a biological specimen from avian species.  | Heterophil Measurement                               |
| C116187         | HETRPHLE               | Heterophils/Leukocytes                                  | A relative measurement (ratio or percentage) of heterophils to leukocytes in a biological specimen from avian species.                                 | Heterophils to Leukocytes Ratio Measurement          |
| C96668          | HEXK                   | Hexokinase  | A measurement of the hexokinase in a biological specimen.  | Hexokinase Measurement                               |
| C64848          | HGB                    | FHGB;Free Hemoglobin;Hemoglobin                         | A measurement of the non-cellular hemoglobin in a biological specimen.   | Hemoglobin Measurement                               |
| C92258          | HGBA                   | Hemoglobin A  | A measurement of the hemoglobin A in a biological specimen.  | Hemoglobin A Measurement                             |
| C92259          | HGBA2                  | Hemoglobin A2   | A measurement of the hemoglobin A2 in a biological specimen.   | Hemoglobin A2 Measurement                            |
| C92260          | HGBB                   | Hemoglobin B  | A measurement of the hemoglobin B in a biological specimen.  | Hemoglobin B Measurement                             |
| C92261          | HGBC                   | Hemoglobin C  | A measurement of the hemoglobin C in a biological specimen.  | Hemoglobin C Measurement                             |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                              | CDISC Definition  | NCI Preferred Term                           |
| C124343         | HGBDOXY                | Deoxyhemoglobin                            | A measurement of the deoxyhemoglobin, hemoglobin without oxygen, in a biological specimen.          | Deoxyhemoglobin Measurement                  |
| C92262          | HGBF                   | Fetal Hemoglobin;Hemoglobin F              | A measurement of the hemoglobin F in a biological specimen.   | Hemoglobin F Measurement                     |
| C127617         | HGBFR                  | Hemoglobin, Free                           | A measurement of the hemoglobin external to erythrocytes in a biological specimen.                  | Free Hemoglobin Measurement                  |
| C96689          | HGBMET                 | Methemoglobin                              | A measurement of the methemoglobin in a biological specimen.  | Methemoglobin Measurement                    |
| C96616          | HGBOXY                 | Oxyhemoglobin                              | A measurement of the oxyhemoglobin, oxygen-bound hemoglobin, in a biological specimen.              | Oxyhemoglobin Measurement                    |
| C122123         | HGBS                   | Hemoglobin S;Sickle Hemoglobin             | A measurement of the hemoglobin S in a biological specimen.   | Hemoglobin S Measurement                     |
| C92272          | HGRNA                  | Hepatitis G RNA                            | A measurement of the Hepatitis G RNA in a biological specimen.                                      | Hepatitis G RNA Measurement                  |
| C122124         | HIS                    | Histidine                                  | A measurement of the histidine in a biological specimen.  | Histidine Measurement                        |
| C112293         | HIST1AB                | Histone 1 Antibody                         | A measurement of the total histone 1 antibodies in a biological specimen.                           | Histone 1 Antibody Measurement               |
| C112294         | HIST2AAB               | Histone 2A Antibody                        | A measurement of the total histone 2A antibodies in a biological specimen.                          | Histone 2A Antibody Measurement              |
| C112295         | HIST2BAB               | Histone 2B Antibody                        | A measurement of the total histone 2B antibodies in a biological specimen.                          | Histone 2B Antibody Measurement              |
| C112296         | HIST3AB                | Histone 3 Antibody                         | A measurement of the total histone 3 antibodies in a biological specimen.                           | Histone 3 Antibody Measurement               |
| C112297         | HIST4AB                | Histone 4 Antibody                         | A measurement of the total histone 4 antibodies in a biological specimen.                           | Histone 4 Antibody Measurement               |
| C111209         | HISTAB                 | Anti-Histone Antibodies;Histone Antibodies | A measurement of histone antibodies in a biological specimen.                                       | Histone Antibody Measurement                 |
| C80189          | HISTAMIN               | Histamine                                  | A measurement of the histamine in a biological specimen.  | Histamine Measurement                        |
| C92265          | HIV124AG               | HIV-1 p24 Antigen                          | A measurement of the HIV-1 p24 antigen in a biological specimen.                                    | HIV-1 p24 Antigen Measurement                |
| C74714          | HIV12AB                | HIV-1/2 Antibody                           | A measurement of the antibody reaction of a biological specimen to either the HIV-1 or HIV-2 virus. | HIV-1 HIV-2 Antibody Measurement             |
| C74713          | HIV1AB                 | HIV-1 Antibody                             | A measurement of the antibody reaction of a biological specimen to the HIV-1 virus.                 | HIV-1 Antibody Measurement                   |
| C92263          | HIV1MONA               | HIV-1 Group M and O Nucleic Acid           | A measurement of the HIV-1 group M and O nucleic acids in a biological specimen.                    | HIV-1 Group M and O Nucleic Acid Measurement |
| C92264          | HIV1OAB                | HIV-1 Group O Antibody                     | A measurement of the HIV-1 group O antibody in a biological specimen.                               | HIV-1 Group O Antibody Measurement           |

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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                |
| C74715          | HIV2AB                 | HIV-2 Antibody                                       | A measurement of the antibody reaction of a biological specimen to the HIV-2 virus.  | HIV-2 Antibody Measurement                        |
| C92266          | HIV2NUAC               | HIV-2 Nucleic Acid                                   | A measurement of the HIV-2 nucleic acids in a biological specimen.   | HIV-2 Nucleic Acid Measurement                    |
| C106527         | HIVAB                  | HIV Antibody   | A measurement of the antibody reaction of a biological specimen to the HIV virus.  | HIV Antibody Measurement                          |
| C92544          | HIVVLD                 | HIV Viral Load                                       | A measurement of the HIV viral load in a biological specimen.  | HIV Viral Load Measurement                        |
| C100460         | HLAB27AG               | HLA-B27 Antigen;Human Leukocyte Antigen B27          | A measurement of the human leukocyte antigen B27 (HLA-B27) in a biological specimen.   | HLA-B27 Antigen Measurement                       |
| C96659          | HMOSIDRN               | Hemosiderin  | A measurement of the hemosiderin complex in a biological specimen.   | Hemosiderin Measurement                           |
| C74741          | HOMOCY                 | Homocysteine   | A measurement of the homocysteine amino acid in a biological specimen.   | Homocysteine Acid Measurement                     |
| C74704          | HOWJOL                 | Howell-Jolly Bodies                                  | A measurement of the Howell-Jolly bodies (spherical, blue-black condensed DNA inclusions within the body of a red blood cell that appear under Wright-stain) in a biological specimen. | Howell-Jolly Body Measurement                     |
| C103403         | HPLIGGAB               | Helicobacter pylori IgG Antibody                     | A measurement of the Helicobacter pylori IgG antibody in a biological specimen.  | Helicobacter pylori IgG Antibody Measurement      |
| C64802          | HPOCROM                | Hypochromia  | An observation which indicates that the hemoglobin concentration in a red blood cell specimen has fallen below a specified level.  | Hypochromia                                       |
| C127618         | HPV11AB                | Human Papillomavirus 11 Antibody                     | A measurement of the human papillomavirus 11 antibody in a biological specimen.  | Human Papillomavirus 11 Antibody Measurement      |
| C127619         | HPV16AB                | Human Papillomavirus 16 Antibody                     | A measurement of the human papillomavirus 16 antibody in a biological specimen.  | Human Papillomavirus 16 Antibody Measurement      |
| C127620         | HPV18AB                | Human Papillomavirus 18 Antibody                     | A measurement of the human papillomavirus 18 antibody in a biological specimen.  | Human Papillomavirus 18 Antibody Measurement      |
| C127621         | HPV6AB                 | Human Papillomavirus 6 Antibody                      | A measurement of the human papillomavirus 6 antibody in a biological specimen.   | Human Papillomavirus 6 Antibody Measurement       |
| C74640          | HRYCELY                | Hairy Cells/Lymphocytes                              | A relative measurement (ratio or percentage) of the hairy cells (b-cell lymphocytes with hairy projections from the cytoplasm) to all lymphocytes in a biological specimen .           | Hairy Cell to Lymphocyte Ratio Measurement        |
| C96697          | HS12GGAB               | HSV-1/2 IgG Ab;Herpes Simplex Virus 1/2 IgG Antibody | A measurement of the herpes simplex virus 1 and 2 IgG antibody in a biological specimen.   | Herpes Simplex Virus 1/2 IgG Antibody Measurement |
| C96698          | HS12GMAB               | HSV-1/2 IgM Ab;Herpes Simplex Virus 1/2 IgM Antibody | A measurement of the herpes simplex virus 1 and 2 IgM antibody in a biological specimen.   | Herpes Simplex Virus 1/2 IgM Antibody Measurement |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                   |
| C96666          | HS1IGGAB               | HSV-1 IgG Antibody;Herpes Simplex Virus 1 IgG Antibody                            | A measurement of the herpes simplex virus 1 IgG antibody in a biological specimen.                    | Herpes Simplex Virus 1 IgG Antibody Measurement      |
| C98738          | HS1IGMAB               | Herpes Simplex Virus 1 IgM Antibody   | A measurement of the Herpes Simplex virus 1 IgM antibodies in a biological specimen.                  | Herpes Simplex Virus 1 IgM Antibody Measurement      |
| C96667          | HS2IGGAB               | HSV-2 IgG Antibody;Herpes Simplex Virus 2 IgG Antibody                            | A measurement of the herpes simplex virus 2 IgG antibody in a biological specimen.                    | Herpes Simplex Virus 2 IgG Antibody Measurement      |
| C98739          | HS2IGMAB               | Herpes Simplex Virus 2 IgM Antibody   | A measurement of the Herpes Simplex virus 2 IgM antibodies in a biological specimen.                  | Herpes Simplex Virus 2 IgM Antibody Measurement      |
| C112292         | HS6AB                  | Herpes Simplex Virus 6 Antibody   | A measurement of the herpes simplex virus 6 antibody in a biological specimen.                        | Herpes Simplex Virus 6 Antibody Measurement          |
| C122125         | HTLV12AB               | HTLV-1/2 Antibody;HTLV-I/II Antibody;Human T-cell Lymphotropic Virus 1/2 Antibody | A measurement of the antibody reaction of a biological specimen to either the HTLV-1 or HTLV-2 virus. | HTLV-I HTLV-II Antibody Measurement                  |
| C81984          | HTPHAB                 | Heterophile Antibodies  | A measurement of the heterophile antibodies in a biological specimen.                                 | Heterophile Antibody Measurement                     |
| C74863          | HVA                    | Homovanillic Acid   | A measurement of the homovanillic acid metabolite in a biological specimen.                           | Homovanillic Acid Measurement                        |
| C112319         | HYALUAC                | Hyaluronic Acid   | A measurement of hyaluronic acid in a biological specimen.  | Hyaluronic Acid Measurement                          |
| C74879          | HYDCDN                 | Hydrocodone   | A measurement of the hydrocodone present in a biological specimen.                                    | Hydrocodone Measurement                              |
| C74880          | HYDMRPHN               | Hydromorphone   | A measurement of the hydromorphone present in a biological specimen.                                  | Hydromorphone Measurement                            |
| C102275         | HYDROGEN               | Hydrogen  | A measurement of the hydrogen in a biological specimen.   | Hydrogen Measurement                                 |
| C96669          | HYPERCHR               | Hyperchromia  | A measurement of the prevalence of the erythrocytes with an elevated hemoglobin concentration.        | Hyperchromia Measurement                             |
| C80190          | HYPRLN                 | Hydroxyproline  | A measurement of the total hydroxyproline in a biological specimen.                                   | Hydroxyproline Measurement                           |
| C74612          | HYPSEGCE               | Hypersegmented Cells  | A measurement of the hypersegmented (more than five lobes) neutrophils in a biological specimen.      | Hypersegmented Neutrophil Measurement                |
| C119284         | IA2AB                  | Insulinoma-Associated Protein 2 Antibody  | A measurement of the insulinoma-associated protein 2 antibody in a biological specimen.               | Insulinoma-Associated Protein 2 Antibody Measurement |
| C112217         | IAA5OH                 | 5-Hydroxyindoleacetic Acid  | A measurement of 5-hydroxyindoleacetic acid in a biological specimen.                                 | 5-Hydroxyindoleacetic Acid Measurement               |
| C92273          | IAH1N1VL               | Influenza A H1N1 Viral Load   | A measurement of the Influenza A H1N1 viral load in a biological specimen.                            | Influenza A H1N1 Viral Load Measurement              |
| C103408         | IAIGGAB                | Influenza A IgG Antibody  | A measurement of the Influenza A IgG antibody in a biological specimen.                               | Influenza A IgG Antibody Measurement                 |
| C127622         | IAPP                   | Amylin;Islet Amyloid Polypeptide  | A measurement of the islet amyloid polypeptide in a biological specimen.                              | Islet Amyloid Polypeptide Measurement                |



| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                       |
| C74718          | IBCT                   | Total Iron Binding Capacity                               | A measurement of the amount of iron needed to fully saturate the transferrin in a biological specimen. | Total Iron Binding Capacity                              |
| C74719          | IBCU                   | Unsaturated Iron Binding Capacity                         | A measurement of the binding capacity of unsaturated iron in a biological specimen.                    | Unsaturated Iron Binding Capacity Measurement            |
| C103409         | IBIGGAB                | Influenza B IgG Antibody                                  | A measurement of the Influenza B IgG antibody in a biological specimen.                                | Influenza B IgG Antibody Measurement                     |
| C81985          | IC512AB                | Islet Cell 512 Antibody                                   | A measurement of the islet cell 512 antibody in a biological specimen.                                 | Islet Cell 512 Antibody Measurement                      |
| C81986          | IC512AG                | Islet Cell 512 Antigen                                    | A measurement of the islet cell 512 antigen in a biological specimen.                                  | Islet Cell 512 Antigen Measurement                       |
| C122126         | ICAIGGAB               | Islet Cell Cytoplasmic IgG Antibody                       | A measurement of the islet cell cytoplasmic IgG antibody in a biological specimen.                     | Islet Cell Cytoplasmic IgG Antibody Measurement          |
| C124344         | ICAM                   | Intercellular Adhesion Molecule                           | A measurement of the total intercellular adhesion molecule in a biological specimen.                   | Intercellular Adhesion Molecule Measurement              |
| C124345         | ICAM1                  | CD54;Intercellular Adhesion Molecule 1                    | A measurement of the intercellular adhesion molecule 1 in a biological specimen.                       | Intercellular Adhesion Molecule 1 Measurement            |
| C111232         | ICTERUSI               | Icteric Index;Icterus                                     | A measurement of the yellow color of a biological specimen, due to the presence of bile pigments.      | Icteric Index  |
| C112325         | IDL                    | IDL Cholesterol;Intermediate Density Lipoprotein          | A measurement of the intermediate density lipoprotein in a biological specimen.                        | Intermediate Density Lipoprotein Cholesterol Measurement |
| C116197         | IDL P                  | IDL Particles;Intermediate Density Lipoproteins Particles | A measurement of the concentration of IDL particles in a biological specimen.                          | IDL Particles Measurement                                |
| C81994          | IFNA                   | Interferon Alpha  | A measurement of the interferon alpha in a biological specimen.  | Interferon Alpha Measurement                             |
| C81995          | IFNB                   | Interferon Beta   | A measurement of the interferon beta in a biological specimen.   | Interferon Beta Measurement                              |
| C81996          | IFNG                   | Interferon Gamma  | A measurement of the interferon gamma in a biological specimen.  | Interferon Gamma Measurement                             |
| C81969          | IGA                    | Immunoglobulin A  | A measurement of the Immunoglobulin A in a biological specimen.  | Immunoglobulin A Measurement                             |
| C111233         | IGAGM                  | IgG IgM IgA Total   | A measurement of the total IgG, IgM, and IgA in a biological specimen.                                 | IgG IgM IgA Total Measurement                            |
| C98745          | IGD                    | Immunoglobulin D  | A measurement of the Immunoglobulin D in a biological specimen.  | Immunoglobulin D Measurement                             |
| C81970          | IGE                    | Immunoglobulin E  | A measurement of the Immunoglobulin E in a biological specimen.  | Immunoglobulin E Measurement                             |
| C74864          | IGF1                   | Insulin-like Growth Factor-1                              | A measurement of the insulin-like growth factor-1 in a biological specimen.                            | Insulin Like Growth Factor-1 Measurement                 |
| C74865          | IGF2                   | Insulin-like Growth Factor-2                              | A measurement of the insulin-like growth factor-2 in a biological specimen.                            | Insulin Like Growth Factor-2 Measurement                 |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                       |
| C112322         | IGFBP3                 | Insulin-Like Growth Factor Binding Prot3;Insulin-Like Growth Factor Binding Protein 3 | A measurement of the insulin-like growth factor binding protein 3 in a biological specimen.  | Insulin-Like Growth Factor Binding Protein 3 Measurement |
| C81971          | IGG                    | Immunoglobulin G  | A measurement of the Immunoglobulin G in a biological specimen.  | Immunoglobulin G Measurement                             |
| C122127         | IGG1                   | Immunoglobulin G Subclass 1   | A measurement of the immunoglobulin G subclass 1 in a biological specimen.   | Immunoglobulin G Subclass 1 Measurement                  |
| C122128         | IGG2                   | Immunoglobulin G Subclass 2   | A measurement of the immunoglobulin G subclass 2 in a biological specimen.   | Immunoglobulin G Subclass 2 Measurement                  |
| C122129         | IGG3                   | Immunoglobulin G Subclass 3   | A measurement of the immunoglobulin G subclass 3 in a biological specimen.   | Immunoglobulin G Subclass 3 Measurement                  |
| C122130         | IGG4                   | Immunoglobulin G Subclass 4   | A measurement of the immunoglobulin G subclass 4 in a biological specimen.   | Immunoglobulin G Subclass 4 Measurement                  |
| C119285         | IGGCREAT               | Immunoglobulin G/Creatinine   | A relative measurement (ratio or percentage) of the immunoglobulin G to creatinine in a biological specimen.   | Immunoglobulin G to Creatinine Ratio Measurement         |
| C81972          | IGM                    | Immunoglobulin M  | A measurement of the Immunoglobulin M in a biological specimen.  | Immunoglobulin M Measurement                             |
| C117835         | IGSOL                  | Soluble Immunoglobulin  | A measurement of the soluble total immunoglobulin in a biological specimen.  | Soluble Immunoglobulin Measurement                       |
| C117836         | IL1SR1                 | Soluble Interleukin-1 Receptor Type I   | A measurement of the soluble interleukin-1 receptor type I in a biological specimen.   | Soluble Interleukin-1 Receptor Type I Measurement        |
| C102280         | IL2SRA                 | Soluble Interleukin 2 Receptor Activity   | A measurement of the soluble interleukin 2 receptor activity in a biological specimen.   | Soluble Interleukin 2 Receptor Activity Measurement      |
| C117837         | IL6SR                  | Soluble Interleukin 6 Receptor  | A measurement of the soluble interleukin 6 receptor in a biological specimen.  | Soluble Interleukin 6 Receptor Measurement               |
| C103410         | ILE                    | Isoleucine  | A measurement of the isoleucine in a biological specimen.  | Isoleucine Measurement                                   |
| C116184         | INCLBOD                | Inclusion Bodies  | A measurement of the inclusion bodies in a biological specimen.  | Inclusion Body Measurement                               |
| C82044          | INDICAN                | Indican   | A measurement of the indican present in a biological specimen.   | Indican Measurement                                      |
| C92274          | INFAVLD                | Influenza A Viral Load  | A measurement of the Influenza A viral load in a biological specimen.  | Influenza A Viral Load Measurement                       |
| C81987          | INGAPAB                | Islet Neogenesis Assoc Protein Antibody   | A measurement of the islet neogenesis associated protein antibody in a biological specimen.  | Islet Neogenesis Associated Protein Antibody Measurement |
| C82020          | INHIBINA               | Inhibin A   | A measurement of the inhibin A in a biological specimen.   | Inhibin A Measurement                                    |
| C96681          | INHIBINB               | Inhibin B   | A measurement of the inhibin B in a biological specimen.   | Inhibin B Measurement                                    |
| C98748          | INLCLR                 | Inulin Clearance  | A measurement of the volume of serum or plasma that would be cleared of inulin by excretion of urine for a specified unit of time (e.g. one minute). | Inulin Clearance   |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term                                 |
| C64805          | INR                    | Prothrombin Intl. Normalized Ratio     | A ratio that represents the prothrombin time for a plasma specimen, divided by the result for a control plasma specimen, further standardized for the International Sensitivity Index of the tissue factor (thromboplastin) used in the test. | International Normalized Ratio of Prothrombin Time |
| C119286         | INSAAB                 | Insulin Autoantibody                   | A measurement of the antibody to endogenous insulin in a biological specimen.   | Insulin Autoantibody Measurement                   |
| C119287         | INSAB                  | Insulin Antibody                       | A measurement of the antibody to therapeutic insulin in a biological specimen.  | Insulin Antibody Measurement                       |
| C74788          | INSULIN                | Insulin                                | A measurement of the insulin in a biological specimen.  | Insulin Measurement                                |
| C123458         | INSULINR               | Insulin Resistance                     | A measurement of the insulin resistance (a cell's inability to respond to insulin) in a biological specimen.  | Insulin Resistance Measurement                     |
| C123459         | INSULINS               | Insulin Sensitivity                    | A measurement of the insulin sensitivity (cells are stimulated by lower than normal insulin levels) in a biological specimen.   | Insulin Sensitivity Measurement                    |
| C74805          | INTLK1                 | Interleukin 1                          | A measurement of the interleukin 1 in a biological specimen.  | Interleukin 1 Measurement                          |
| C74806          | INTLK10                | Interleukin 10                         | A measurement of the interleukin 10 in a biological specimen.   | Interleukin 10 Measurement                         |
| C74807          | INTLK11                | Interleukin 11                         | A measurement of the interleukin 11 in a biological specimen.   | Interleukin 11 Measurement                         |
| C74808          | INTLK12                | Interleukin 12;Interleukin 12 p70      | A measurement of the interleukin 12 in a biological specimen.   | Interleukin 12 Measurement                         |
| C127623         | INTLK12B               | Interleukin 12 Beta;Interleukin 12 p40 | A measurement of interleukin 12 beta in a biological specimen.  | Interleukin 12 Beta Measurement                    |
| C74809          | INTLK13                | Interleukin 13                         | A measurement of the interleukin 13 in a biological specimen.   | Interleukin 13 Measurement                         |
| C74810          | INTLK14                | Interleukin 14                         | A measurement of the interleukin 14 in a biological specimen.   | Interleukin 14 Measurement                         |
| C74811          | INTLK15                | Interleukin 15                         | A measurement of the interleukin 15 in a biological specimen.   | Interleukin 15 Measurement                         |
| C74812          | INTLK16                | Interleukin 16                         | A measurement of the interleukin 16 in a biological specimen.   | Interleukin 16 Measurement                         |
| C74813          | INTLK17                | Interleukin 17                         | A measurement of the interleukin 17 in a biological specimen.   | Interleukin 17 Measurement                         |
| C74814          | INTLK18                | Interleukin 18                         | A measurement of the interleukin 18 in a biological specimen.   | Interleukin 18 Measurement                         |
| C74815          | INTLK19                | Interleukin 19                         | A measurement of the interleukin 19 in a biological specimen.   | Interleukin 19 Measurement                         |

| C65047 LBTESTCD |                        |   |  |   |
|-----------------|------------------------|---|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                   | CDISC Definition   | NCI Preferred Term                            |
| C122131         | INTLK1A                | Interleukin 1 Alpha                             | A measurement of interleukin 1 alpha in a biological specimen.                   | Interleukin 1 Alpha Measurement               |
| C112323         | INTLK1B                | IL-1B;IL1Beta;Interleukin 1 Beta;Interleukin 1B | A measurement of interleukin 1 beta in a biological specimen.                    | Interleukin 1 Beta Measurement                |
| C112324         | INTLK1RA               | IL-1RA;Interleukin 1 Receptor Antagonist        | A measurement of the interleukin 1 receptor antagonist in a biological specimen. | Interleukin 1 Receptor Antagonist Measurement |
| C74816          | INTLK2                 | Interleukin 2                                   | A measurement of the interleukin 2 in a biological specimen.                     | Interleukin 2 Measurement                     |
| C74817          | INTLK20                | Interleukin 20                                  | A measurement of the interleukin 20 in a biological specimen.                    | Interleukin 20 Measurement                    |
| C74818          | INTLK21                | Interleukin 21                                  | A measurement of the interleukin 21 in a biological specimen.                    | Interleukin 21 Measurement                    |
| C74819          | INTLK22                | Interleukin 22                                  | A measurement of the interleukin 22 in a biological specimen.                    | Interleukin 22 Measurement                    |
| C74820          | INTLK23                | Interleukin 23                                  | A measurement of the interleukin 23 in a biological specimen.                    | Interleukin 23 Measurement                    |
| C74821          | INTLK24                | Interleukin 24                                  | A measurement of the interleukin 24 in a biological specimen.                    | Interleukin 24 Measurement                    |
| C74822          | INTLK25                | Interleukin 25                                  | A measurement of the interleukin 25 in a biological specimen.                    | Interleukin 25 Measurement                    |
| C74823          | INTLK26                | Interleukin 26                                  | A measurement of the interleukin 26 in a biological specimen.                    | Interleukin 26 Measurement                    |
| C74824          | INTLK27                | Interleukin 27                                  | A measurement of the interleukin 27 in a biological specimen.                    | Interleukin 27 Measurement                    |
| C74825          | INTLK28                | Interleukin 28                                  | A measurement of the interleukin 28 in a biological specimen.                    | Interleukin 28 Measurement                    |
| C74826          | INTLK29                | Interleukin 29                                  | A measurement of the interleukin 29 in a biological specimen.                    | Interleukin 29 Measurement                    |
| C74827          | INTLK3                 | Interleukin 3                                   | A measurement of the interleukin 3 in a biological specimen.                     | Interleukin 3 Measurement                     |
| C74828          | INTLK30                | Interleukin 30                                  | A measurement of the interleukin 30 in a biological specimen.                    | Interleukin 30 Measurement                    |
| C74829          | INTLK31                | Interleukin 31                                  | A measurement of the interleukin 31 in a biological specimen.                    | Interleukin 31 Measurement                    |
| C74830          | INTLK32                | Interleukin 32                                  | A measurement of the interleukin 32 in a biological specimen.                    | Interleukin 32 Measurement                    |
| C74831          | INTLK33                | Interleukin 33                                  | A measurement of the interleukin 33 in a biological specimen.                    | Interleukin 33 Measurement                    |
| C74832          | INTLK4                 | Interleukin 4                                   | A measurement of the interleukin 4 in a biological specimen.                     | Interleukin 4 Measurement                     |
| C74833          | INTLK5                 | Interleukin 5                                   | A measurement of the interleukin 5 in a biological specimen.                     | Interleukin 5 Measurement                     |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                         |
| C74834          | INTLK6                 | Interleukin 6  | A measurement of the interleukin 6 in a biological specimen.  | Interleukin 6 Measurement                  |
| C74835          | INTLK7                 | Interleukin 7  | A measurement of the interleukin 7 in a biological specimen.  | Interleukin 7 Measurement                  |
| C74836          | INTLK8                 | Interleukin 8  | A measurement of the interleukin 8 in a biological specimen.  | Interleukin 8 Measurement                  |
| C74837          | INTLK9                 | Interleukin 9  | A measurement of the interleukin 9 in a biological specimen.  | Interleukin 9 Measurement                  |
| C125945         | INULIN                 | Inulin   | A measurement of the inulin in a biological specimen.   | Inulin Measurement                         |
| C100439         | IOHEXCLR               | Iohexol Clearance  | A measurement of the volume of serum or plasma that would be cleared of Iohexol by excretion of urine for a specified unit of time (e.g. one minute).                             | Iohexol Clearance                          |
| C125946         | IOHEXOL                | Iohexol  | A measurement of iohexol in a biological specimen.  | Iohexol Measurement                        |
| C98749          | IOTCLR                 | Iothalamate Clearance  | A measurement of the volume of serum or plasma that would be cleared of iothalamate by excretion of urine for a specified unit of time (e.g. one minute).                         | Iothalamate Clearance                      |
| C98750          | IOTCLRBS               | Iothalamate Clearance Adjusted for BSA   | A measurement of the volume of serum or plasma that would be cleared of iothalamate by excretion of urine for a specified unit of time (e.g. one minute), adjusted for body size. | Iothalamate Clearance Adjusted for BSA     |
| C102276         | IRF                    | Immature Reticulocyte Fraction   | A measurement of the immature reticulocyte fraction present in a biological specimen.   | Immature Reticulocyte Fraction Measurement |
| C74679          | IRON                   | FE;Iron  | A measurement of the iron in a biological specimen.   | Iron Measurement                           |
| C117838         | IRONEXR                | Iron Excretion Rate  | A measurement of the amount of iron being excreted in urine over a defined amount of time (e.g. one hour).  | Iron Urine Excretion Rate                  |
| C80180          | ISOPRF2                | F2-Isoprostane   | A measurement of the F2-isoprostane in a biological specimen.   | F2 Isoprostane Measurement                 |
| C112326         | JCVAB                  | JC Polyomavirus Antibody;JC Virus Antibody;JCV Antibody;John Cunningham Virus Antibody | A measurement of the JC virus antibody in a biological specimen.  | JC Virus Antibody Measurement              |
| C100459         | JO1AB                  | Jo-1 Antibody  | A measurement of the Jo-1 antibody in a biological specimen.  | Jo-1 Antibody Measurement                  |
| C64853          | K                      | Potassium  | A measurement of the potassium in a biological specimen.  | Potassium Measurement                      |
| C106560         | KCLR                   | Potassium Clearance  | A measurement of the volume of serum or plasma that would be cleared of potassium by excretion of urine for a specified unit of time (e.g. one minute).                           | Potassium Clearance Measurement            |
| C79462          | KCREAT                 | Potassium/Creatinine   | A relative measurement (ratio or percentage) of the potassium to creatinine in a biological specimen.   | Potassium to Creatinine Ratio Measurement  |

| C65047 LBTESTCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C111239         | KETONEBD               | Ketone Bodies  | A measurement of the ketone bodies (acetone, acetoacetic acid, beta-hydroxybutyric acid, beta-ketopentanoate and beta-hydroxypentanoate) in a biological specimen. | Ketone Body Measurement   |
| C64854          | KETONES                | Ketones  | A measurement of the ketones in a biological specimen.   | Ketone Measurement  |
| C117839         | KEXR                   | Potassium Excretion Rate   | A measurement of the amount of potassium being excreted in urine over a defined amount of time (e.g. one hour).  | Potassium Urine Excretion Rate                                      |
| C100433         | KIM1                   | Hepatitis A Virus Cellular Receptor 1;KIM-1;Kidney Injury Molecule-1 | A measurement of the kidney injury molecule-1 (Kim-1) in a biological specimen.  | Kidney Injury Molecule-1 Measurement                                |
| C98730          | KLCFR                  | Bence-Jones, Kappa;Kappa Light Chain, Free                           | A measurement of the free kappa light chain in a biological specimen.  | Free Kappa Light Chain Measurement                                  |
| C98731          | KLCLLCFR               | Kappa Lt Chain,Free/Lambda Lt Chain,Free                             | A relative measurement (ratio or percentage) of the free kappa light chain to the free lambda light chain in a biological specimen.                                | Free Kappa Light Chain to Free Lambda Light Chain Ratio Measurement |
| C127624         | KLOTHO                 | Klotho   | A measurement of the total klotho protein in a biological specimen.  | Klotho Protein Measurement  |
| C96688          | KRCYMG                 | Megakaryocytes   | A measurement of the megakaryocytes per unit of a biological specimen.   | Megakaryocyte Count   |
| C98867          | KRCYMGCE               | Megakaryocytes/Total Cells   | A relative measurement (ratio or percentage) of the megakaryocytes to total cells in a biological specimen (for example a bone marrow specimen).                   | Megakaryocyte to Total Cell Ratio Measurement                       |
| C96682          | KURLOFCE               | Kurloff Cells  | A measurement of the large secretory granule-containing immune cells in a biological specimen taken from members of certain genera of the Caviidae family.         | Kurloff Cells Measurement   |
| C79450          | LACTICAC               | 2-hydroxypropanoic acid;Lactate;Lactic Acid                          | A measurement of the lactic acid in a biological specimen.   | Lactic Acid Measurement   |
| C125947         | LAM                    | Lipoarabinomannan  | A measurement of the lipoarabinomannan in a biological specimen.   | Lipoarabinomannan Measurement                                       |
| C122132         | LAP                    | Leucine Aminopeptidase   | A measurement of the total leucine aminopeptidase present in a biological specimen.  | Leucine Aminopeptidase Measurement                                  |
| C106539         | LCN2                   | Lipocalin-2  | A measurement of lipocalin-2 in a biological specimen.   | Lipocalin-2 Measurement   |
| C106540         | LCN2CREA               | Lipocalin-2/Creatinine   | A relative measurement (ratio or percentage) of the lipocalin-2 to creatinine present in a sample.   | Lipocalin-2 to Creatinine Ratio Measurement                         |
| C64855          | LDH                    | Lactate Dehydrogenase  | A measurement of the lactate dehydrogenase in a biological specimen.   | Lactate Dehydrogenase Measurement                                   |
| C74887          | LDH1                   | LDH Isoenzyme 1  | A measurement of the lactate dehydrogenase isoenzyme 1 in a biological specimen.   | Lactate Dehydrogenase Isoenzyme 1 Measurement                       |

| C65047 LBTESTCD |                        |                                   |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                     | CDISC Definition  | NCI Preferred Term                                    |
| C79451          | LDH1LDH                | LDH Isoenzyme 1/LDH               | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 1 to total lactate dehydrogenase in a biological specimen.                        | LDH Isoenzyme 1 to LDH Ratio Measurement              |
| C74888          | LDH2                   | LDH Isoenzyme 2                   | A measurement of the lactate dehydrogenase isoenzyme 2 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 2 Measurement         |
| C79452          | LDH2LDH                | LDH Isoenzyme 2/LDH               | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 2 to total lactate dehydrogenase in a biological specimen.                        | LDH Isoenzyme 2 to LDH Ratio Measurement              |
| C74889          | LDH3                   | LDH Isoenzyme 3                   | A measurement of the lactate dehydrogenase isoenzyme 3 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 3 Measurement         |
| C79453          | LDH3LDH                | LDH Isoenzyme 3/LDH               | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 3 to total lactate dehydrogenase in a biological specimen.                        | LDH Isoenzyme 3 to LDH Ratio Measurement              |
| C74890          | LDH4                   | LDH Isoenzyme 4                   | A measurement of the lactate dehydrogenase isoenzyme 4 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 4 Measurement         |
| C79454          | LDH4LDH                | LDH Isoenzyme 4/LDH               | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 4 to total lactate dehydrogenase in a biological specimen.                        | LDH Isoenzyme 4 to LDH Ratio Measurement              |
| C74891          | LDH5                   | LDH Isoenzyme 5                   | A measurement of the lactate dehydrogenase isoenzyme 5 in a biological specimen.  | Lactate Dehydrogenase Isoenzyme 5 Measurement         |
| C79455          | LDH5LDH                | LDH Isoenzyme 5/LDH               | A relative measurement (ratio or percentage) of the lactate dehydrogenase isoenzyme 5 to total lactate dehydrogenase in a biological specimen.                        | LDH Isoenzyme 5 to LDH Ratio Measurement              |
| C79449          | LDHCREAT               | Lactate Dehydrogenase/Creatinine  | A relative measurement (ratio or percentage) of the lactate dehydrogenase to creatinine in a biological specimen.   | Lactate Dehydrogenase to Creatinine Ratio Measurement |
| C105588         | LDL                    | LDL Cholesterol                   | A measurement of the low density lipoprotein cholesterol in a biological specimen.  | Low Density Lipoprotein Cholesterol Measurement       |
| C121182         | LDLHDL                 | LDL Cholesterol/HDL Cholesterol   | A relative measurement (ratio or percentage) of the low density lipoprotein cholesterol to high density lipoprotein cholesterol in a biological specimen.             | LDL Cholesterol to HDL Cholesterol Ratio Measurement  |
| C119288         | LDLOXAB                | Oxidized LDL Cholesterol Antibody | A measurement of the total oxidized low density lipoprotein cholesterol antibody in a biological specimen.  | Oxidized LDL Cholesterol Antibody Measurement         |
| C120635         | LDLOXI                 | Oxidized LDL Cholesterol          | A measurement of the oxidized low density lipoprotein cholesterol in a biological specimen.   | Oxidized LDL Cholesterol Measurement                  |
| C120636         | LDLP                   | LDL Particles                     | A measurement of the concentration of the total LDL particles in a biological specimen.   | LDL Particles Measurement                             |
| C120637         | LDLPATT                | LDL Subtype Pattern               | A description of the low density lipoprotein particle pattern (an interpretation of the amounts of LDL particles based on size and density) in a biological specimen. | LDL Subtype Pattern                                   |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                      |
| C103412         | LDLPSZ                 | LDL Particle Size   | A measurement of the average particle size of low-density lipoprotein in a biological specimen.   | LDL Particle Size Measurement                           |
| C127625         | LEIM                   | Immature Leukocytes   | A measurement of the immature leukocytes in a biological specimen.  | Immature Leukocyte Count                                |
| C127626         | LEIMLE                 | Immature Leukocytes/Leukocytes  | A relative measurement (ratio or percentage) of the immature leukocytes to leukocytes in a biological specimen.   | Immature Leukocyte to Leukocytes Ratio Measurement      |
| C74866          | LEPTIN                 | Leptin  | A measurement of the leptin hormone in a biological specimen.   | Leptin Measurement                                      |
| C122133         | LEU                    | Leucine   | A measurement of the leucine in a biological specimen.  | Leucine Measurement                                     |
| C64856          | LEUKASE                | Leukocyte Esterase  | A measurement of the enzyme which indicates the presence of white blood cells in a biological specimen.   | Leukocyte Esterase Measurement                          |
| C116195         | LEUKCE                 | Leukemic Cells;Residual Leukemic Cells  | A measurement of the leukemic cells in a biological specimen.   | Leukemic Cells Measurement                              |
| C79467          | LGLUCLE                | Large Unstained Cells/Leukocytes  | A relative measure (ratio or percentage) of the large unstained cells to leukocytes in a biological specimen.   | Large Unstained Cells to Leukocytes Ratio Measurement   |
| C74659          | LGUNSCE                | Large Unstained Cells   | A measurement of the large, peroxidase-negative cells which cannot be further characterized (i.e. as large lymphocytes, virocytes, or stem cells) present in a biological specimen. | Large Unstained Cell Count                              |
| C74790          | LH                     | Luteinizing Hormone   | A measurement of the luteinizing hormone in a biological specimen.  | Luteinizing Hormone Measurement                         |
| C117840         | LIPASEG                | Gastric Triacylglycerol Lipase;LIPF;Lipase, Gastric                               | A measurement of the gastric triacylglycerol lipase in a biological specimen.   | Gastric Lipase Measurement                              |
| C117841         | LIPASEP                | Lipase, Pancreatic;PNLIP;Pancreatic Triacylglycerol Lipase                        | A measurement of the pancreatic triacylglycerol lipase in a biological specimen.  | Pancreatic Lipase Measurement                           |
| C117748         | LIPASET                | Lipase;Total Lipase   | A measurement of the total lipase in a biological specimen.   | Lipase Measurement                                      |
| C117842         | LIPASLAL               | Acid Cholesteryl Ester Hydrolase;LAL;LIPA;Lipase, Lysosomal Acid;Lysosomal Lipase | A measurement of the lysosomal acid lipase in a biological specimen.  | Lysosomal Acid Lipase Measurement                       |
| C111242         | LIPEMIAI               | Lipemia;Lipemic Index   | A measurement of the abnormally high concentration of lipid in a biological specimen.   | Lipemic Index   |
| C96683          | LKM1AB                 | LKM-1;Liver Kidney Microsomal Type 1 Antibody                                     | A measurement of the liver kidney microsomal type 1 antibody in a biological specimen.  | Liver Kidney Microsomal Type 1 Antibody Measurement     |
| C100456         | LKM1IAAB               | Liver Kidney Microsomal Type 1 IgA Ab   | A measurement of the liver kidney microsomal type 1 IgA antibodies in a biological specimen.  | Liver Kidney Microsomal Type 1 IgA Antibody Measurement |
| C100454         | LKM1IGAB               | Liver Kidney Microsomal Type 1 IgG Ab   | A measurement of the liver kidney microsomal type 1 IgG antibodies in a biological specimen.  | Liver Kidney Microsomal Type 1 IgG Antibody Measurement |



| C65047 LBTESTCD |                        |  |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term                                      |
| C100455         | LKM1IMAB               | Liver Kidney Microsomal Type 1 IgM Ab        | A measurement of the liver kidney microsomal type 1 IgM antibodies in a biological specimen.                     | Liver Kidney Microsomal Type 1 IgM Antibody Measurement |
| C98732          | LLCFR                  | Bence-Jones, Lambda;Lambda Light Chain, Free | A measurement of the free lambda light chain in a biological specimen.   | Free Lambda Light Chain Measurement                     |
| C82022          | LPA                    | Lipoprotein-a                                | A measurement of the lipoprotein-a in a biological specimen.   | Lipoprotein a Measurement                               |
| C92275          | LPNAG                  | Legionella pneumophila Antigen               | A measurement of the Legionella pneumophila antigen in a biological specimen.                                    | Legionella pneumophila Antigen Measurement              |
| C92277          | LPNGMAB                | Legionella pneumophila IgG IgM Antibody      | A measurement of the Legionella pneumophila IgG and IgM in a biological specimen.                                | Legionella pneumophila IgG IgM Antibody Measurement     |
| C92276          | LPNIGGAB               | Legionella pneumophila IgG Antibody          | A measurement of the Legionella pneumophila IgG antibody in a biological specimen.                               | Legionella pneumophila IgG Antibody Measurement         |
| C92278          | LPNIGMAB               | Legionella pneumophila IgM Antibody          | A measurement of the Legionella pneumophila IgM antibody in a biological specimen.                               | Legionella pneumophila IgM Antibody Measurement         |
| C120638         | LPPLA2                 | Lipoprotein Associated Phospholipase A2      | A measurement of the lipoprotein associated phospholipase A2 in a biological specimen.                           | Lipoprotein Associated Phospholipase A2 Measurement     |
| C75354          | LSD                    | Acid;Lysergic Acid Diethylamide              | A measurement of the lysergic acid diethylamine (LSD) in a biological specimen.                                  | Lysergide Measurement                                   |
| C103413         | LTB4                   | Leukotriene B4                               | A measurement of the leukotriene B4 in a biological specimen.  | Leukotriene B4 Measurement                              |
| C103414         | LTD4                   | Leukotriene D4                               | A measurement of the leukotriene D4 in a biological specimen.  | Leukotriene D4 Measurement                              |
| C103415         | LTE4                   | Leukotriene E4                               | A measurement of the leukotriene E4 in a biological specimen.  | Leukotriene E4 Measurement                              |
| C82021          | LTF                    | Lactoferrin;Lactotransferrin                 | A measurement of the lactoferrin in a biological specimen.   | Lactoferrin Measurement                                 |
| C120639         | LTFAB                  | Lactoferrin Antibody                         | A measurement of the lactoferrin antibody in a biological specimen.  | Lactoferrin Antibody Measurement                        |
| C51949          | LYM                    | Lymphocytes                                  | A measurement of the lymphocytes in a biological specimen.   | Lymphocyte Count  |
| C119289         | LYMA                   | Lymphocytes Activated                        | A measurement of the total activated lymphocytes in a biological specimen.                                       | Activated Lymphocytes Measurement                       |
| C64818          | LYMAT                  | Lymphocytes Atypical                         | A measurement of the atypical lymphocytes in a biological specimen.  | Atypical Lymphocyte Count                               |
| C64819          | LYMATLE                | Lymphocytes Atypical/Leukocytes              | A relative measurement (ratio or percentage) of the atypical lymphocytes to leukocytes in a biological specimen. | Atypical Lymphocyte to Leukocyte Ratio                  |

| C65047 LBTESTCD |                        |                                       |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term                                      |
| C98751          | LYMCE                  | Lymphocytes/Total Cells               | A relative measurement (ratio or percentage) of the lymphocytes to total cells in a biological specimen (for example a bone marrow specimen).  | Lymphocyte to Total Cell Ratio Measurement              |
| C100444         | LYMIM                  | Immature Lymphocytes                  | A measurement of the immature lymphocytes in a biological specimen.  | Immature Lymphocytes Measurement                        |
| C100443         | LYMIMLE                | Immature Lymphocytes/Leukocytes       | A relative measurement (ratio or percentage) of the immature lymphocytes to leukocytes in a biological specimen.   | Immature Lymphocytes to Leukocytes Ratio Measurement    |
| C64820          | LYMLE                  | Lymphocytes/Leukocytes                | A relative measurement (ratio or percentage) of the lymphocytes to leukocytes in a biological specimen.  | Lymphocyte to Leukocyte Ratio                           |
| C74613          | LYMMCE                 | Lymphoma Cells                        | A measurement of the malignant lymphocytes in a biological specimen.   | Lymphoma Cell Count                                     |
| C74910          | LYMMCELY               | Lymphoma Cells/Lymphocytes            | A relative measurement (ratio or percentage) of the malignant lymphocytes to all lymphocytes in a biological specimen.   | Lymphoma Cell to Lymphocyte Ratio Measurement           |
| C81955          | LYMPHOTC               | Chemokine Ligand 1;Lymphotactin       | A measurement of the lymphotactin in a biological specimen.  | Lymphotactin Measurement                                |
| C74618          | LYMPL                  | Plasmacytoid Lymphocytes;Plymphocytes | A measurement of the plasmacytoid lymphocytes (lymphocytes with peripherally clumped chromatin and often deep blue cytoplasm, and that appear similar to plasma cells) in a biological specimen.   | Plasmacytoid Lymphocyte Count                           |
| C74648          | LYMPLLY                | Plasmacytoid Lymphocytes/Lymphocytes  | A relative measurement (ratio or percentage) of the plasmacytoid lymphocytes (lymphocytes with peripherally clumped chromatin and often deep blue cytoplasm, and that appear similar to plasma cells) to all lymphocytes in a biological specimen. | Plasmacytoid Lymphocyte to Lymphocyte Ratio Measurement |
| C74629          | LYMRCT                 | Reactive Lymphocytes                  | A measurement of the reactive lymphocytes (lymphocytes which have become large due to an antigen reaction) in a biological specimen.   | Reactive Lymphocyte Count Measurement                   |
| C74654          | LYMRCTLY               | Reactive Lymphocytes/Lymphocytes      | A relative measurement (ratio or percentage) of the reactive lymphocytes (lymphocytes which have become large due to an antigen reaction) to all lymphocytes in a biological specimen.   | Reactive Lymphocyte to Lymphocyte Ratio Measurement     |
| C111329         | LYMVAC                 | Vacuolated Lymphocytes                | A measurement of the vacuolated lymphocytes in a biological specimen.  | Vacuolated Lymphocyte Count                             |
| C127627         | LYMVACLE               | Vacuolated Lymphocytes/Leukocytes     | A relative measurement (ratio or percentage) of the vacuolated lymphocytes to leukocytes in a biological specimen.   | Vacuolated Lymphocyte to Leukocyte Ratio Measurement    |
| C122134         | LYS                    | Lysine                                | A measurement of the lysine in a biological specimen.  | Lysine Measurement                                      |

| C65047 LBTESTCD |                        |   |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                    |
| C120640         | LYSOZYME               | Lysozyme  | A measurement of lysozyme in a biological specimen.   | Lysozyme Measurement                                  |
| C64821          | MACROCY                | Macrocytes  | A measurement of the macrocytes in a biological specimen.   | Macrocyte Count                                       |
| C111246         | MASTCE                 | Mast Cells;Mastocytes   | A measurement of the mast cells in a biological specimen.   | Mast Cell Count                                       |
| C111247         | MASTCECE               | Mast Cells/Total Cells  | A relative measurement (ratio or percentage) of the mast cells to total cells in a biological specimen.   | Mast Cell to Total Cell Ratio Measurement             |
| C74614          | MAYHEG                 | May-Hegglin Anomaly   | A measurement of the May-Hegglin anomaly in a blood sample. This anomaly is characterized by large, misshapen platelets and the presence of Dohle bodies in leukocytes. | May-Hegglin Anomaly Measurement                       |
| C122135         | MBP                    | Myelin Basic Protein  | A measurement of the myelin basic protein in a biological specimen.   | Myelin Basic Protein Measurement                      |
| C64797          | MCH                    | Ery. Mean Corpuscular Hemoglobin  | A measurement of the mean amount of hemoglobin per erythrocyte in a biological specimen.  | Erythrocyte Mean Corpuscular Hemoglobin               |
| C64798          | MCHC                   | Ery. Mean Corpuscular HGB Concentration   | A measurement of the mean amount of hemoglobin per erythrocytes in a specified volume of a biological specimen.   | Erythrocyte Mean Corpuscular Hemoglobin Concentration |
| C82025          | MCP1                   | Monocyte Chemotactic Protein 1  | A measurement of the monocyte chemotactic protein 1 in a biological specimen.   | Monocyte Chemotactic Protein 1 Measurement            |
| C74798          | MCPHG                  | Macrophages   | A measurement of the macrophages in a biological specimen.  | Macrophage Count                                      |
| C111244         | MCPHGCE                | Macrophages/Total Cells   | A relative measurement (ratio or percentage) of the macrophages to total cells in a biological specimen.  | Macrophage to Total Cell Ratio Measurement            |
| C123460         | MCPHGLE                | Macrophages/Leukocytes  | A relative measurement (ratio or percentage) of the macrophages to leukocytes in a biological specimen.   | Macrophage to Leukocyte Ratio                         |
| C92291          | MCROT                  | Monoclonal Immunoglobulin Protein;Monoclonal Protein;Paraprotein                              | A measurement of homogenous immunoglobulin resulting from the proliferation of a single clone of plasma cells in a biological specimen.                                 | Monoclonal Protein Measurement                        |
| C80191          | MCSF                   | Macrophage Colony Stimulating Factor  | A measurement of the macrophage colony stimulating factor in a biological specimen.   | Macrophage Colony Stimulating Factor Measurement      |
| C64799          | MCV                    | Ery. Mean Corpuscular Volume;Erythrocytes Mean Corpuscular Volume;RBC Mean Corpuscular Volume | A measurement of the mean volume of erythrocytes in a biological specimen.  | Erythrocyte Mean Corpuscular Volume                   |
| C114215         | MCVRETIC               | MCV Reticulocytes;Mean Corpuscular Volume Reticulocytes                                       | A measurement of the mean volume of reticulocytes in a biological specimen.   | Reticulocyte Mean Corpuscular Volume                  |
| C81956          | MDC                    | Chemokine Ligand 22;Macrophage-Derived Chemokine  | A measurement of the macrophage-derived chemokine in a biological specimen.   | Macrophage-Derived Chemokine Measurement              |

| C65047 LBTESTCD |                        |   |  |   |
|-----------------|------------------------|---|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                             | CDISC Definition   | NCI Preferred Term                                      |
| C75359          | MDMA                   | 3,4-methylenedioxymethamphetamine;Ecstasy | A measurement of the 3,4-methylenedioxymethamphetamine (MDMA) in a biological specimen.  | 3,4-Methylenedioxymethamphetamine Measurement           |
| C111250         | MENGL                  | Meningeal Cells                           | A measurement of the meningeal cells in a biological specimen.   | Meningeal Cell Count                                    |
| C111251         | MENGLCE                | Meningeal Cells/Total Cells               | A relative measurement (ratio or percentage) of the meningeal cells to total cells in a biological specimen.   | Meningeal Cell to Total Cell Ratio Measurement          |
| C127628         | MERCECE                | Maturing Erythroid/Total Cells            | A relative measurement (ratio or percentage) of the maturing erythroid cells to total cells in a biological specimen.  | Maturing Erythroid Cell to Total Cell Ratio Measurement |
| C122238         | MET                    | Methionine                                | A measurement of the methionine in a biological specimen.  | Methionine Measurement                                  |
| C74615          | METAMY                 | Metamyelocytes                            | A measurement of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) in a biological specimen.   | Metamyelocyte Count                                     |
| C98754          | METAMYCE               | Metamyelocytes/Total Cells                | A relative measurement (ratio or percentage ) of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) to total cells in a biological specimen (for example a bone marrow specimen). | Metamyelocyte to Total Cell Ratio Measurement           |
| C74645          | METAMYLE               | Metamyelocytes/Leukocytes                 | A relative measurement (ratio or percentage) of the metamyelocytes (small, myelocytic neutrophils with an indented nucleus) to all leukocytes in a biological specimen.                                    | Metamyelocyte to Leukocyte Ratio Measurement            |
| C116198         | METANEPH               | Metadrenaline;Metanephrine                | A measurement of the metanephrine in a biological specimen.  | Metanephrine Measurement                                |
| C75348          | METHAMPH               | Methamphetamine                           | A measurement of the methamphetamine drug present in a biological specimen.  | Methamphetamine Measurement                             |
| C74881          | METHDN                 | Methadone                                 | A measurement of the methadone present in a biological specimen.   | Methadone Measurement                                   |
| C74882          | METHQLDN               | Methaqualone                              | A measurement of the methaqualone present in a biological specimen.  | Methaqualone Measurement                                |
| C117843         | MFILARIA               | Microfilaria                              | Presence of microfilaria stage of filarial nematodes in smears prepared from whole blood or other body fluids.   | Microfilaria Measurement                                |
| C64840          | MG                     | Magnesium                                 | A measurement of the magnesium in a biological specimen.   | Magnesium Measurement                                   |
| C79436          | MGB                    | Myoglobin                                 | A measurement of myoglobin in a biological specimen.   | Myoglobin Measurement                                   |
| C106546         | MGBCREAT               | Myoglobin/Creatinine                      | A relative measurement (ratio or percentage) of the myoglobin to creatinine present in a sample.   | Myoglobin to Creatinine Ratio Measurement               |
| C79456          | MGCREAT                | Magnesium/Creatinine                      | A relative measurement (ratio or percentage) of the magnesium to creatinine in a biological specimen.  | Magnesium to Creatinine Ratio Measurement               |

| C65047 LBTESTCD |                        |  |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                    |
| C64822          | MICROCY                | Microcytes   | A measurement of the microcytes in a biological specimen.  | Microcyte Count                                       |
| C116199         | MIDCEF                 | Mid Cell Fraction;Mid Cells                                | A measurement of the mid cell fraction, including eosinophils, basophils, monocytes and other precursor white blood cells, in a biological specimen. | Mid Cell Fraction Measurement                         |
| C82023          | MIP1A                  | Chemokine Ligand 3;Macrophage Inflammatory Protein 1 Alpha | A measurement of the macrophage inflammatory protein 1 alpha in a biological specimen.   | Macrophage Inflammatory Protein 1 Alpha Measurement   |
| C82024          | MIP1B                  | Chemokine Ligand 4;Macrophage Inflammatory Protein 1 Beta  | A measurement of the macrophage inflammatory protein 1 beta in a biological specimen.  | Macrophage Inflammatory Protein 1 Beta Measurement    |
| C74867          | MLATONIN               | Melatonin  | A measurement of the melatonin hormone in a biological specimen.   | Melatonin Measurement                                 |
| C74660          | MLIGCE                 | Malignant Cells, NOS                                       | A measurement of the malignant cells of all types in a biological specimen.  | Malignant Cell Count                                  |
| C74643          | MLIGCEBC               | Malignant Cells, NOS/Blood Cells                           | A relative measurement (ratio or percentage) of the malignant cells of all types to all blood cells in a biological specimen.                        | Malignant Cell to Blood Cell Ratio Measurement        |
| C16790          | MLR                    | Mixed Leukocyte Reaction;Mixed Lymphocyte Reaction         | A measurement of the histocompatibility at the HL-A locus between two populations of lymphocytes taken from two separate individuals.                | Mixed Lymphocyte Reaction Test                        |
| C96690          | MMA                    | Methylmalonic Acid   | A measurement of the methylmalonic acid in a biological specimen.  | Methylmalonic Acid Measurement                        |
| C80192          | MMP1                   | Interstitial Collagenase;Matrix Metalloproteinase 1        | A measurement of the matrix metalloproteinase 1 in a biological specimen.  | Matrix Metalloproteinase 1 Measurement                |
| C80193          | MMP2                   | Gelatinase A;Matrix Metalloproteinase 2                    | A measurement of the matrix metalloproteinase 2 in a biological specimen.  | Matrix Metalloproteinase 2 Measurement                |
| C80194          | MMP3                   | Matrix Metalloproteinase 3;Stromelysin 1                   | A measurement of the matrix metalloproteinase 3 in a biological specimen.  | Matrix Metalloproteinase 3 Measurement                |
| C80195          | MMP7                   | Matrilysin;Matrix Metalloproteinase 7                      | A measurement of the matrix metalloproteinase 7 in a biological specimen.  | Matrix Metalloproteinase 7 Measurement                |
| C80196          | MMP8                   | Matrix Metalloproteinase 8;Neutrophil Collagenase          | A measurement of the matrix metalloproteinase 8 in a biological specimen.  | Matrix Metalloproteinase 8 Measurement                |
| C80197          | MMP9                   | Gelatinase B;Matrix Metalloproteinase 9                    | A measurement of the matrix metalloproteinase 9 in a biological specimen.  | Matrix Metalloproteinase 9 Measurement                |
| C122136         | MMPIGGAB               | Mumps Virus IgG Antibody                                   | A measurement of the mumps virus IgG antibody in a biological specimen.  | Mumps Virus IgG Antibody Measurement                  |
| C127629         | MMYCECE                | Maturing Myeloid/Total Cells                               | A relative measurement (ratio or percentage) of the maturing myeloid cells to total cells in a biological specimen.                                  | Maturing Myeloid Cell to Total Cell Ratio Measurement |
| C111276         | MOCYCE                 | Monocytoid Cells   | A measurement of the monocytoid cells in a biological specimen.  | Monocytoid Cell Count                                 |

| C65047 LBTESTCD |                        |                               |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                 | CDISC Definition  | NCI Preferred Term                               |
| C111277         | MOCYCECE               | Monocytoid Cells/Total Cells  | A relative measurement (ratio or percentage) of the monocytoid cells to total cells in a biological specimen.                               | Monocytoid Cell to Total Cell Ratio Measurement  |
| C120641         | MOCYCELE               | Monocytoid Cells/Leukocytes   | A relative measurement (ratio or percentage) of the monocytoid cells to leukocytes in a biological specimen.                                | Monocytoid Cells to Leukocytes Ratio Measurement |
| C64823          | MONO                   | Monocytes                     | A measurement of the monocytes in a biological specimen.  | Monocyte Count                                   |
| C74631          | MONOBL                 | Monoblasts                    | A measurement of the monoblast cells in a biological specimen.  | Monoblast Count                                  |
| C74646          | MONOBLLE               | Monoblasts/Leukocytes         | A relative measurement (ratio or percentage) of the monoblasts to leukocytes in a biological specimen.                                      | Monoblast to Leukocyte Ratio Measurement         |
| C98872          | MONOCE                 | Monocytes/Total Cells         | A relative measurement (ratio or percentage) of the monocytes to total cells in a biological specimen (for example a bone marrow specimen). | Monocytes to Total Cell Ratio Measurement        |
| C96676          | MONOIM                 | Immature Monocytes            | A measurement of the immature monocytes in a biological specimen.   | Immature Monocyte Count                          |
| C96677          | MONOIMLE               | Immature Monocytes/Leukocytes | A relative measurement (ratio or percentage) of immature monocytes to total leukocytes in a biological specimen.                            | Immature Monocyte to Leukocyte Ratio Measurement |
| C64824          | MONOLE                 | Monocytes/Leukocytes          | A relative measurement (ratio or percentage) of the monocytes to leukocytes in a biological specimen.                                       | Monocyte to Leukocyte Ratio                      |
| C106544         | MONOMA                 | Monocytes/Macrocytes          | A relative measurement (ratio or percentage) of the monocytes to macrocytes present in a sample.  | Monocytes to Macrocytes Ratio Measurement        |
| C74883          | MORPHINE               | Morphine                      | A measurement of the morphine present in a biological specimen.   | Morphine Measurement                             |
| C96686          | MPC                    | Mean Platelet Component       | A measurement of the mean platelet component (platelet activity) in a blood specimen.   | Mean Platelet Component Measurement              |
| C114214         | MPM                    | Mean Platelet Dry Mass        | A measurement of the mean platelet dry mass in a biological specimen.   | Mean Platelet Dry Mass                           |
| C80198          | MPO                    | Myeloperoxidase               | A measurement of the myeloperoxidase in a biological specimen.  | Myeloperoxidase Measurement                      |
| C92280          | MPOAB                  | Myeloperoxidase Antibody      | A measurement of the myeloperoxidase antibody in a biological specimen.   | Myeloperoxidase Antibody Measurement             |
| C74730          | MPV                    | Mean Platelet Volume          | A measurement of the average size of the platelets present in a blood sample.   | Mean Platelet Volume Measurement                 |
| C119290         | MPXI                   | Myeloperoxidase Index         | The mean peroxidase activity index or staining intensity of the neutrophil population relative to the archetype.                            | Neutrophil Myeloperoxidase Index                 |
| C117844         | MSPIKE                 | Monoclonal Protein Spike      | A measurement of the monoclonal protein in the region of the electrophoresis field containing a spike (increase) in protein.                | Monoclonal Protein Spike Measurement             |

| C65047 LBTESTCD |                        |  |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                   |
| C124346         | MTBIGAAB               | Mycobacterium tuberculosis IgA Antibody  | A measurement of the Mycobacterium tuberculosis IgA antibodies in a biological specimen.   | Mycobacterium tuberculosis IgA Antibody Measurement  |
| C124347         | MTBIGEAB               | Mycobacterium tuberculosis IgE Antibody  | A measurement of the Mycobacterium tuberculosis IgE antibodies in a biological specimen.   | Mycobacterium tuberculosis IgE Antibody Measurement  |
| C124348         | MTBIGGAB               | Mycobacterium tuberculosis IgG Antibody  | A measurement of the Mycobacterium tuberculosis IgG antibodies in a biological specimen.   | Mycobacterium tuberculosis IgG Antibody Measurement  |
| C74721          | MUCTHR                 | Mucous Threads   | A measurement of the mucous threads present in a biological specimen.  | Mucous Thread Measurement                            |
| C127630         | MUG                    | Murinoglobulin   | A measurement of the murinoglobulin in a biological specimen.  | Murinoglobulin Measurement                           |
| C74632          | MYBLA                  | Myeloblasts  | A measurement of the myeloblast cells in a biological specimen.  | Myeloblast Count                                     |
| C64825          | MYBLALE                | Myeloblasts/Leukocytes   | A relative measurement (ratio or percentage) of the myeloblasts to leukocytes in a biological specimen.  | Myeloblast to Leukocyte Ratio                        |
| C92283          | MYBLAT1                | Type I Myeloblasts   | A measurement of type I myeloblast cells per unit of a biological specimen.  | Type I Myeloblasts Measurement                       |
| C92284          | MYBLAT2                | Type II Myeloblasts  | A measurement of type II myeloblast cells per unit of a biological specimen.   | Type II Myeloblasts Measurement                      |
| C92285          | MYBLAT3                | Type III Myeloblasts   | A measurement of type III myeloblast cells per unit of a biological specimen.  | Type III Myeloblasts Measurement                     |
| C74662          | MYCY                   | Myelocytes   | A measurement of the myelocytes in a biological specimen.  | Myelocyte Count                                      |
| C98868          | MYCYCE                 | Myelocytes/Total Cells   | A relative measurement (ratio or percentage) of the myelocytes to total cells in a biological specimen (for example a bone marrow specimen).   | Myelocyte to Total Cell Ratio Measurement            |
| C64826          | MYCYLE                 | Myelocytes/Leukocytes  | A relative measurement (ratio or percentage) of the myelocytes to leukocytes in a biological specimen.   | Myelocyte to Leukocyte Ratio                         |
| C103418         | MYELINAB               | Myelin Antibodies  | A measurement of the myelin antibodies in a biological specimen.   | Myelin Antibodies Measurement                        |
| C106547         | MYL3                   | Cardiac myosin light chain 1;Myosin Light Chain 3;Myosin light chain 1, slow-twitch muscle B/ventricular isoform | A measurement of myosin light chain 3 in a biological specimen.  | Myosin Light Chain 3 Measurement                     |
| C92242          | MYPCERPC               | Myeloid/Erythroid Ratio  | A relative measurement of myeloid progenitor cells to erythrocyte precursor cells in a biological specimen.  | Myeloid to Erythroid Ratio Measurement               |
| C92241          | MYTBGIR                | M. tuberculosis IFN Gamma Response;Mycobacterium tuberculosis IFN Gamma Response                                 | A measurement of the amount of interferon gamma that is released when Mycobacterium tuberculosis antigen is incubated with a biological specimen, usually blood. Increased amounts of interferon gamma suggests a prior or existing M. tuberculosis infection. | Mycobacterium tuberculosis Interferon Gamma Response |

| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                     |
| C92279          | MYTBNUAC               | Mycobacterium tuberculosis Nucleic Acid                         | A measurement of the Mycobacterium tuberculosis nucleic acid in a biological specimen.   | Mycobacterium tuberculosis Nucleic Acid Measurement    |
| C106568         | NACLR                  | Sodium Clearance  | A measurement of the volume of serum or plasma that would be cleared of sodium by excretion of urine for a specified unit of time (e.g. one minute). | Sodium Clearance Measurement                           |
| C79464          | NACREAT                | Sodium/Creatinine   | A relative measurement (ratio or percentage) of the sodium to creatinine in a biological specimen.   | Sodium to Creatinine Ratio Measurement                 |
| C79459          | NAG                    | N-Acetyl Glucosamide;N-Acetyl Glucosamine                       | A measurement of N-acetyl glucosamide (sugar derivative) in a biological specimen.   | N-Acetyl Glucosamide Measurement                       |
| C103419         | NAGASE                 | Beta-N-acetyl-D-glucosaminidase;N-acetyl-beta-D-glucosaminidase | A measurement of the N-acetyl-beta-D-glucosaminidase (enzyme) in a biological specimen.  | N-acetyl-beta-D-glucosaminidase Measurement            |
| C79460          | NAGCREAT               | N-Acetyl Glucosamide/Creatinine                                 | A relative measurement (ratio or percentage) of the N-acetyl glucosamide to creatinine in a biological specimen.                                     | N-Acetyl Glucosamide to Creatinine Ratio Measurement   |
| C122137         | NAK                    | Sodium/Potassium  | A relative measurement (ratio or percentage) of the sodium to potassium in a biological specimen.  | Sodium to Potassium Ratio Measurement                  |
| C79437          | NCTD5P                 | 5 Prime Nucleotidase;5'-Ribonucleotide Phosphohydrolase         | A measurement of the 5'-nucleotidase in a biological specimen.   | 5 Prime Nucleotidase Measurement                       |
| C80199          | NEOPTERN               | Neopterin   | A measurement of the neopterin in a biological specimen.   | Neopterin Measurement                                  |
| C63321          | NEUT                   | Neutrophils   | A measurement of the neutrophils in a biological specimen.   | Absolute Neutrophil Count                              |
| C116200         | NEUTAGR                | Agranular Neutrophils   | A measurement of the agranular neutrophils in a biological specimen.   | Agranular Neutrophils Measurement                      |
| C64830          | NEUTB                  | Neutrophils Band Form   | A measurement of the banded neutrophils in a biological specimen.  | Neutrophil Band Form Count                             |
| C64831          | NEUTBLE                | Neutrophils Band Form/Leukocytes                                | A relative measurement (ratio or percentage) of the banded neutrophils to leukocytes in a biological specimen.                                       | Neutrophil Band Form to Leukocyte Ratio                |
| C120642         | NEUTBNE                | Neutrophils Band Form/ Neutrophils                              | A relative measurement (ratio or percentage) of banded neutrophils to total neutrophils in a biological specimen.                                    | Neutrophils Band Form to Neutrophils Ratio Measurement |
| C98763          | NEUTCE                 | Neutrophils/Total Cells   | A relative measurement (ratio or percentage) of the neutrophils to total cells in a biological specimen (for example a bone marrow specimen).        | Neutrophil to Total Cell Ratio Measurement             |
| C111166         | NEUTCYBS               | Cytoplasmic Basophilia Neutrophil                               | A measurement of the neutrophils in a biological specimen showing a dark staining pattern in the cytoplasm due to increased acidic content.          | Cytoplasmic Basophilia Neutrophil Count                |
| C96651          | NEUTGT                 | Giant Neutrophils   | A measurement of the giant neutrophils in a biological specimen.   | Giant Neutrophil Count                                 |



| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                       |
| C116201         | NEUTHYGR               | Hypogranular Neutrophils                                  | A measurement of the hypogranular neutrophils in a biological specimen.  | Hypogranular Neutrophil Measurement                      |
| C96678          | NEUTIM                 | Immature Neutrophils                                      | A measurement of the total immature neutrophils in a biological specimen.  | Immature Neutrophil Count                                |
| C100442         | NEUTIMLE               | Immature Neutrophils/Leukocytes                           | A relative measurement (ratio or percentage) of the immature neutrophils to leukocytes in a biological specimen.   | Immature Neutrophils to Leukocytes Ratio Measurement     |
| C64827          | NEUTLE                 | Neutrophils/Leukocytes                                    | A relative measurement (ratio or percentage) of the neutrophils to leukocytes in a biological specimen.  | Neutrophil to Leukocyte Ratio                            |
| C116202         | NEUTLS                 | Left Shift Neutrophils                                    | An observation of the above normal incidence of immature neutrophils, including band neutrophils and neutrophil precursors in a biological specimen.       | Left Shift Neutrophil Measurement                        |
| C84822          | NEUTMM                 | Neutrophilic Metamyelocytes                               | A measurement of the neutrophilic metamyelocytes in a biological specimen.   | Neutrophilic Metamyelocyte Count                         |
| C84823          | NEUTMY                 | Neutrophilic Myelocytes                                   | A measurement of the neutrophilic myelocytes in a biological specimen.   | Neutrophilic Myelocyte Count                             |
| C81997          | NEUTSG                 | Neutrophils, Segmented                                    | A measurement of the segmented neutrophils in a biological specimen.   | Segmented Neutrophil Count                               |
| C82045          | NEUTSGLE               | Neutrophils, Segmented/Leukocytes                         | A relative measurement (ratio or percentage) of segmented neutrophils to leukocytes in a biological specimen.  | Segmented Neutrophil to Leukocyte Ratio Measurement      |
| C120643         | NEUTSGNE               | Neutrophils, Segmented/Neutrophils                        | A relative measurement (ratio or percentage) of segmented neutrophils to total neutrophils in a biological specimen.                                       | Segmented Neutrophils to Neutrophils Ratio Measurement   |
| C74628          | NEUTVAC                | Vacuolated Neutrophils                                    | A measurement of the neutrophils containing small vacuoles in a biological specimen.   | Vacuolated Neutrophil Count                              |
| C92298          | NGON                   | Neisseria gonorrhoeae Screening                           | Examination of a biological specimen to detect the presence of Neisseria gonorrhoeae.  | Neisseria gonorrhoeae Screening                          |
| C112360         | NITRICOX               | NO;Nitric Oxide   | A measurement of the nitric oxide in a biological specimen.  | Nitric Oxide Measurement                                 |
| C64810          | NITRITE                | Nitrite   | A measurement of the nitrite in a urine specimen.  | Nitrite Measurement                                      |
| C98762          | NKCE                   | Natural Killer Cells                                      | A measurement of the total natural killer cells in a biological specimen.  | Natural Killer Cell Count                                |
| C116203         | NKCEFUNC               | Natural Killer Cell Activity;Natural Killer Cell Function | A measurement of the natural killer cell function in a biological specimen.  | Natural Killer Cell Activity Measurement                 |
| C120644         | NOHDLHDL               | Non-HDL Cholesterol/HDL Cholesterol                       | A relative measurement (ratio or percentage) of non-high density lipoprotein cholesterol to high density lipoprotein cholesterol in a biological specimen. | Non-HDL Cholesterol to HDL Cholesterol Ratio Measurement |
| C116204         | NONHDL                 | Non-HDL Cholesterol;Non-High Density Lipoprotein          | A measurement of the non-high density lipoprotein cholesterol in a biological specimen.  | Non-High Density Lipoprotein Cholesterol Measurement     |

| C65047 LBTESTCD |                        |  |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                            |
| C74868          | NOREPIN                | Noradrenaline;Norepinephrine   | A measurement of the norepinephrine hormone in a biological specimen.   | Noradrenaline Measurement                     |
| C122138         | NORMETA                | Normetanephrine  | A measurement of the normetanephrine in a biological specimen.  | Normetanephrine Measurement                   |
| C100434         | NPAP                   | Non-Prostatic Acid Phosphatase   | A measurement of the non-prostatic acid phosphatase in a biological specimen.                                     | Non-Prostatic Acid Phosphatase Measurement    |
| C74892          | NPY                    | Neuropeptide Y   | A measurement of the neuropeptide Y in a biological specimen.   | Neuropeptide Y Measurement                    |
| C116205         | NSE                    | Enolase 2;Gamma-enolase;Neuron Specific Enolase  | A measurement of the neuron specific enolase in a biological specimen.  | Neuron Specific Enolase Measurement           |
| C120645         | NTELOCRT               | N-telopeptide/Creatinine   | A relative measurement (ratio or percentage) of the N-telopeptide to creatinine in a biological specimen.         | N-telopeptide to Creatinine Ratio Measurement |
| C74743          | NTELOP                 | N-telopeptide  | A measurement of the N-telopeptide in a biological specimen.  | N-Telopeptide Measurement                     |
| C82039          | NTXI                   | Type I Collagen N-Telopeptides   | A measurement of the type I collagen N-telopeptides in a biological specimen.                                     | Type I Collagen N-Telopeptide Measurement     |
| C82041          | NTXII                  | Type II Collagen N-Telopeptides  | A measurement of the type II collagen N-telopeptides in a biological specimen.                                    | Type II Collagen N-Telopeptide Measurement    |
| C114213         | NUCSWELL               | Nuclear Swelling   | A measurement of the expansion of the nucleus of the cells in a biological specimen.                              | Nuclear Swelling Measurement                  |
| C111284         | O2CT                   | Oxygen Content   | A measurement of the amount of oxygen content in a biological specimen.   | Oxygen Measurement                            |
| C74686          | OCCBLD                 | Occult Blood   | A measurement of the blood in body products such as a urine or stool sample, not detectable on gross examination. | Occult Blood Measurement                      |
| C122139         | OLIGBAND               | Oligoclonal Bands  | A measurement of the oligoclonal bands in a biological specimen.  | Oligoclonal Bands Measurement                 |
| C116206         | OPG                    | OCIF;Osteoclastogenesis Inhibitory Factor;Osteoprotegerin;TNFRS11B;Tumor Necrosis Factor Receptor Superfamily Member 11b | A measurement of the osteoprotegerin in a biological specimen.  | Osteoprotegerin Measurement                   |
| C74796          | OPIATE                 | Opiate   | A measurement of any opiate class drug present in a biological specimen.  | Opiate Measurement                            |
| C124349         | OPN                    | Osteopontin  | A measurement of the osteopontin in a biological specimen.  | Osteopontin Measurement                       |
| C122140         | ORNITHIN               | Ornithine  | A measurement of the ornithine in a biological specimen.  | Ornithine Measurement                         |
| C74801          | OSMLTY                 | Osmolality   | A measurement of the osmoles of solute per unit of biological specimen.   | Osmolality Measurement                        |
| C74802          | OSMRTY                 | Osmolarity   | A measurement of the osmoles of solute per liter of solution.   | Osmolarity Measurement                        |
| C74744          | OSTEOC                 | Osteocalcin  | A measurement of the osteocalcin in a biological specimen.  | Osteocalcin Measurement                       |

| C65047 LBTESTCD |                        |   |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C100452         | OVAPARS                | Ova and Parasite  | A measurement of the parasites and ova in a biological specimen.   | Ova and Parasite Measurement                          |
| C117983         | OXACREAT               | Oxalate/Creatinine  | A relative measurement (ratio or percentage) of the oxalate to creatinine in a biological specimen.  | Oxalate to Creatinine Ratio Measurement               |
| C92250          | OXALATE                | Ethanedioate;Oxalate  | A measurement of the oxalate in a biological specimen.   | Oxalate Measurement                                   |
| C96614          | OXYCAP                 | Oxygen Capacity   | A measurement of the maximum amount of oxygen that can be combined chemically with hemoglobin in a volume of blood.  | Oxygen Capacity Measurement                           |
| C74884          | OXYCDN                 | Oxycodone;Oxycontin   | A measurement of the oxycodone present in a biological specimen.   | Oxycodone Measurement                                 |
| C60832          | OXYSAT                 | Oxygen Saturation   | A measurement of the oxygen-hemoglobin saturation of a volume of blood.  | Oxygen Saturation Measurement                         |
| C74869          | OXYTOCIN               | Oxytocin;Oxytoxin   | A measurement of the oxytocin hormone in a biological specimen.  | Oxytocin Measurement                                  |
| C96625          | P1NP                   | Amino-terminal propeptide of type 1 procollagen;P1NP Aminoterm Type 1;Procollagen 1 N-Terminal Propeptide | A measurement of the procollagen 1 N-terminal propeptide in a biological specimen.   | Procollagen 1 N-Terminal Propeptide Measurement       |
| C102279         | P50OXYGN               | P50 Oxygen  | A measurement of the partial pressure of oxygen when hemoglobin is half saturated in a biological specimen.  | P50 Oxygen Measurement                                |
| C111292         | PAF                    | Platelet Activating Factor  | A measurement of the platelet activating factor in a biological specimen.  | Platelet Activating Factor Measurement                |
| C127631         | PAH                    | P-Aminohippurate Sodium   | A measure of the para-aminohippurate sodium in a biological specimen.  | Para-Aminohippurate Sodium Measurement                |
| C82030          | PAI1                   | Plasminogen Activator Inhibitor-1   | A measurement of the plasminogen activator inhibitor-1 in a biological specimen.   | Plasminogen Activator Inhibitor-1 Measurement         |
| C81989          | PAI1AG                 | Plasminogen Activator Inhibitor-1 AG  | A measurement of the plasminogen activator inhibitor-1 antigen in a biological specimen.   | Plasminogen Activator Inhibitor-1 Antigen Measurement |
| C80204          | PAP                    | Prostatic Acid Phosphatase  | A measurement of the prostatic acid phosphatase in a biological specimen.  | Prostatic Acid Phosphatase Measurement                |
| C82031          | PAPPA                  | Pregnancy-Associated Plasma Protein-A   | A measurement of the pregnancy-associated plasma protein-A in a biological specimen.   | Pregnancy-Associated Plasma Protein-A Measurement     |
| C74616          | PAPPEN                 | Pappenheimer Bodies   | A measurement of the cells containing Pappenheimer Bodies (violet or blue staining ferritin granules usually found along the periphery of the red blood cells) in a biological specimen. | Pappenheimer Body Count                               |
| C116207         | PARICEAB               | Anti-Parietal Cell Antibody;Parietal Cell Antibody  | A measurement of the parietal cell antibody in a biological specimen.  | Parietal Cell Antibody Measurement                    |
| C96617          | PB19GGAB               | Parvovirus B19 IgG Antibody   | A measurement of the Parvovirus B19 IgG antibody in a biological specimen.   | Parvovirus B19 IgG Antibody Measurement               |

| C65047 LBTESTCD |                        |  |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C96618          | PB19GMAB               | Parvovirus B19 IgM Antibody  | A measurement of the Parvovirus B19 IgM antibody in a biological specimen.   | Parvovirus B19 IgM Antibody Measurement                      |
| C111294         | PCDW                   | Platelet Component Distribution Width  | A measurement of a marker of platelet shape change in a biological specimen.   | Platelet Component Distribution Width Measurement            |
| C120646         | PCNAG                  | Cyclin;Proliferating Cell Nuclear Antigen  | A measurement of the proliferating cell nuclear antigen in a biological specimen.  | Proliferating Cell Nuclear Antigen Measurement               |
| C82625          | PCO2                   | Partial Pressure Carbon Dioxide  | A measurement of the pressure of carbon dioxide in a biological specimen.  | Partial Pressure of Carbon Dioxide Measurement               |
| C74694          | PCP                    | Phencyclidine;Phenylcyclohexylpiperidine   | A measurement of the phencyclidine present in a biological specimen.   | Phencyclidine Measurement                                    |
| C120647         | PCSK9                  | Proprotein Convertase Subtilisin/Kexin 9   | A measurement of the proprotein convertase subtilisin/kexin type 9 in a biological specimen.   | Proprotein Convertase Subtilisin/Kexin Type 9 Measurement    |
| C103430         | PCT                    | Procalcitonin  | A measurement of the procalcitonin in a biological specimen.   | Procalcitonin Measurement                                    |
| C116208         | PDGFAB                 | PDGF Isoform AB;Platelet Derived Growth Factor IsoformAB;Platelet Derived Growth Factor-AB Isoform | A measurement of the platelet derived growth factor isoform AB in a biological specimen.   | Platelet Derived Growth Factor Isoform AB Measurement        |
| C81962          | PDW                    | Platelet Distribution Width  | A measurement of the range of platelet sizes in a biological specimen.   | Platelet Distribution Width                                  |
| C74617          | PELGERH                | Pelger Huet Anomaly  | A measurement of the Pelger Huet Anomaly (nuclei of neutrophils and eosinophils appear rod-like, spherical or dumbbell shaped) in a biological specimen. | Pelger Huet Anomaly Measurement                              |
| C81988          | PEMAB                  | Pemphigoid Antibodies  | A measurement of the pemphigoid antibodies in a biological specimen.   | Pemphigoid Antibody Measurement                              |
| C100122         | PEPSNG                 | Pepsinogen   | A measurement of the pepsinogen in a biological specimen.  | Pepsinogen Measurement                                       |
| C100469         | PEPSNGA                | PGA;Pepsinogen A   | A measurement of the pepsinogen A in a biological specimen.  | Pepsinogen A Measurement                                     |
| C100470         | PEPSNGC                | PGC;Pepsinogen C   | A measurement of the pepsinogen C in a biological specimen.  | Pepsinogen C Measurement                                     |
| C100467         | PEPSNGI                | PGI;Pepsinogen I   | A measurement of the pepsinogen I in a biological specimen.  | Pepsinogen I Measurement                                     |
| C100468         | PEPSNGII               | PGII;Pepsinogen II   | A measurement of the pepsinogen II in a biological specimen.   | Pepsinogen II Measurement                                    |
| C127632         | PERCECE                | Proliferating Erythroid/Total Cells  | A relative measurement (ratio or percentage) of the proliferating erythroid cells to total cells in a biological specimen.                               | Proliferating Erythroid Cell to Total Cell Ratio Measurement |
| C112395         | PERIOSTN               | OSF2;Osteoblast Specific Factor 2;POSTN;Periostin  | A measurement of the periostin in a biological specimen.   | Periostin Measurement  |
| C100446         | PERTHRBL               | Proerythroblast  | A measurement of the proerythroblasts in a biological specimen.  | Proerythroblast Measurement                                  |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                            | CDISC Definition  | NCI Preferred Term   |
| C119291         | PF2AI8CR               | 8-Iso-PGF2alpha/Creatinine               | A relative measurement (ratio or percentage) of the prostaglandin F2 alpha isoform 8 to creatinine in a biological specimen.                            | 8-Iso-Prostaglandin F2 Alpha to Creatinine Ratio Measurement |
| C111295         | PFCT                   | PFCT;Platelet Function Closure Time      | A measurement of the platelet function closure time in a biological specimen.   | Platelet Function Closure Time Measurement                   |
| C103343         | PG                     | Prostaglandin                            | A measurement of the total prostaglandin in a biological specimen.  | Prostaglandin Measurement                                    |
| C103431         | PGD2                   | Prostaglandin D2                         | A measurement of the prostaglandin D2 in a biological specimen.   | Prostaglandin D2 Measurement                                 |
| C103432         | PGD2S                  | Prostaglandin D2 Synthase                | A measurement of the prostaglandin D2 synthase in a biological specimen.  | Prostaglandin D2 Synthase Measurement                        |
| C103434         | PGE1                   | Prostaglandin E1                         | A measurement of the prostaglandin E1 in a biological specimen.   | Prostaglandin E1 Measurement                                 |
| C103435         | PGE2                   | Prostaglandin E2                         | A measurement of the prostaglandin E2 in a biological specimen.   | Prostaglandin E2 Measurement                                 |
| C103433         | PGES                   | Prostaglandin E Synthase                 | A measurement of the prostaglandin E synthase in a biological specimen.   | Prostaglandin E Synthase Measurement                         |
| C103436         | PGF1A                  | Prostaglandin F1 Alpha                   | A measurement of the prostaglandin F1 alpha in a biological specimen.   | Prostaglandin F1 Alpha Measurement                           |
| C103437         | PGF2A                  | Prostaglandin F2 Alpha                   | A measurement of the prostaglandin F2 alpha in a biological specimen.   | Prostaglandin F2 Alpha Measurement                           |
| C119292         | PGF2AI8                | 8-Iso-Prostaglandin F2 Alpha             | A measurement of the prostaglandin F2 alpha isoform 8 in a biological specimen.   | 8-Iso-Prostaglandin F2 Alpha Measurement                     |
| C45997          | PH                     | pH                                       | The negative logarithm (base 10) of the concentration of hydronium ions, which is used as a measure of the acidity or alkalinity of a fluid.            | pH   |
| C81280          | PHE                    | Phenylalanine                            | A measurement of the phenylalanine in a biological specimen.  | Phenylalanine Measurement                                    |
| C74695          | PHENTHZ                | Dibenzothiazine;Phenothiazine            | A measurement of the phenothiazine present in a biological specimen.  | Phenothiazine Measurement                                    |
| C75368          | PHNBRBTL               | Phenobarbital                            | A measurement of the phenobarbital present in a biological specimen.  | Phenobarbital Measurement                                    |
| C64857          | PHOS                   | Inorganic Phosphate;Phosphate;Phosphorus | A measurement of the phosphate in a biological specimen.  | Phosphate Measurement  |
| C106553         | PHOSCLR                | Phosphate Clearance                      | A measurement of the volume of serum or plasma that would be cleared of phosphate by excretion of urine for a specified unit of time (e.g. one minute). | Phosphate Clearance Measurement                              |
| C79461          | PHOSCRT                | Phosphate/Creatinine                     | A relative measurement (ratio or percentage) of the phosphate to creatinine in a biological specimen.   | Phosphate to Creatinine Ratio Measurement                    |

| C65047 LBTESTCD |                        |   |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term                                      |
| C117845         | PHOEXR                 | Phosphorus Excretion Rate               | A measurement of the amount of phosphorus being excreted in urine over a defined amount of time (e.g. one hour).  | Phosphorus Urine Excretion Rate                         |
| C96623          | PHOSLPD                | Phospholipid                            | A measurement of the phospholipids in a biological specimen.  | Phospholipid Measurement                                |
| C82033          | PICP                   | Procollagen Type I Carboxy Term Peptide | A measurement of the procollagen-1 carboxy-terminal peptide in a biological specimen.   | Procollagen Type I Carboxy Terminal Peptide Measurement |
| C114210         | PLAGGCVT               | Platelet Aggregation Curve Type         | The classification of the curve pattern that is formed as a result of platelet aggregation.   | Platelet Aggregometry Curve Type                        |
| C114211         | PLAGMAMP               | Platelet Aggregation Mean Amplitude     | An average of the measurements of the magnitude of the platelet aggregation in a biological specimen.   | Platelet Aggregometry Mean Amplitude                    |
| C114212         | PLAGMCVT               | Platelet Aggregation Mean Curve Type    | The classification of the curve pattern that is formed as the average result of the platelet aggregation curve measurements.  | Platelet Aggregometry Mean Curve Type                   |
| C51951          | PLAT                   | Platelets                               | A measurement of the platelets (non-nucleated thrombocytes) in a biological specimen.   | Platelet Count  |
| C103427         | PLATAGGR               | Platelet Aggregation;Platelet Function  | A measurement of the association of platelets to one another via adhesion molecules in a biological sample.   | Platelet Aggregation Measurement                        |
| C96624          | PLATCLMP               | PLT Clumps;Platelet Clumps              | A measurement of the platelet clumps in a biological specimen.  | Platelet Clumps Count                                   |
| C74728          | PLATGNT                | Giant Platelets                         | A measurement of the giant (larger than 7um in diameter) platelets in a biological specimen.  | Giant Platelet Count                                    |
| C100424         | PLATHCT                | Platelet Hematocrit;Thrombocytocrit     | A relative measurement (ratio or percentage) of the proportion of the volume of blood taken up by platelets.  | Platelet Hematocrit Measurement                         |
| C74729          | PLATLRG                | Large Platelets                         | A measurement of the large (between 4 um and 7um in diameter) platelets in a biological specimen.   | Large Platelet Count                                    |
| C116209         | PLATSAT                | Platelet Satellitism                    | An examination or assessment of the platelet satellitism (platelet rosetting around cells) in a biological specimen.  | Platelet Satellitism Assessment                         |
| C127633         | PLG                    | Plasminogen                             | A measurement of the plasminogen (antigen) in a biological specimen.  | Plasminogen Measurement                                 |
| C98869          | PLSCECE                | Plasma Cells/Total Cells                | A relative measurement (ratio or percentage) of the mature plasma cells (plasmacytes) to total cells in a biological specimen (for example a bone marrow specimen). | Plasma Cell to Total Cell Ratio Measurement             |
| C96679          | PLSIMCE                | Immature Plasma Cells                   | A measurement of the immature plasma cells in a biological specimen.  | Immature Plasma Cell Count                              |

| C65047 LBTESTCD |                        |   |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                                 | CDISC Definition  | NCI Preferred Term   |
| C96680          | PLSIMCLY               | Immature Plasma Cells/Lymphocytes             | A relative measurement (ratio or percentage) of immature plasma cells to total lymphocytes in a biological specimen.  | Immature Plasma Cell to Lymphocyte Ratio Measurement                           |
| C74661          | PLSMCE                 | Mature Plasma Cells;Plasmacytes               | A measurement of the mature plasma cells (plasmacytes) in a biological specimen.  | Mature Plasma Cell Count   |
| C74911          | PLSMCELY               | Mature Plasma Cells/Lymphocytes               | A relative measurement (ratio or percentage) of the mature plasma cells (plasmacytes) to all lymphocytes in a biological specimen.  | Mature Plasma Cell to Lymphocyte Ratio Measurement                             |
| C100453         | PLSMDM                 | Malaria;Plasmodium                            | Examination of a biological specimen to detect the presence of any protozoan belonging to the Plasmodium genus.   | Plasmodium Measurement   |
| C74619          | PLSPCE                 | Plasmablast;Precursor Plasma Cells            | A measurement of the precursor (blast stage) plasma cells (antibody secreting cells derived from B cells via antigen stimulation) in a biological specimen.   | Precursor Plasma Cell Count  |
| C74650          | PLSPCELY               | Precursor Plasma Cells/Lymphocytes            | A relative measurement (ratio or percentage) of the precursor (blast stage) plasma cells (antibody secreting cells derived from B cells via antigen stimulation) to all lymphocytes in a biological specimen. | Precursor Plasma Cell to Lymphocyte Ratio Measurement                          |
| C111293         | PLTAGAMP               | Platelet Aggregation Amplitude                | A measurement of the magnitude of the platelet aggregation in a biological specimen.  | Platelet Aggregation Amplitude Measurement                                     |
| C111296         | PLTMORPH               | Platelet Morphology                           | An examination or assessment of the form and structure of platelets.  | Platelet Morphology Measurement  |
| C127634         | PMYCECE                | Proliferating Myeloid Cells/Total Cells       | A relative measurement (ratio or percentage) of the proliferating myeloid cells to total cells in a biological specimen.  | Proliferating Myeloid Cell to Total Cell Ratio Measurement                     |
| C80201          | PNCTPP                 | Pancreatic Polypeptide                        | A measurement of the pancreatic polypeptide in a biological specimen.   | Pancreatic Polypeptide Measurement   |
| C71251          | PO2                    | Partial Pressure Oxygen                       | A measurement of the pressure of oxygen in a biological specimen.   | Partial Pressure of Oxygen Measurement   |
| C119293         | PO2FIO2                | PAO2/FIO2;PP Arterial O2/Fraction Inspired O2 | A relative measurement (ratio or percentage) of the force per unit area (pressure) of oxygen dissolved in arterial blood to the percentage oxygen of an inhaled mixture of gasses.                            | Partial Pressure Arterial Oxygen to Fraction Inspired Oxygen Ratio Measurement |
| C79602          | POIKILO                | Poikilocytes                                  | A measurement of the odd-shaped erythrocytes in a whole blood specimen.   | Poikilocyte Measurement  |
| C74649          | POIKRBC                | Poikilocytes/Erythrocytes                     | A relative measurement (ratio or percentage) of the poikilocytes, or irregularly shaped erythrocytes, to all erythrocytes in a biological specimen.   | Poikilocyte to Erythrocyte Ratio Measurement                                   |
| C64803          | POLYCHR                | Polychromasia                                 | A measurement of the blue-staining characteristic of newly generated erythrocytes.  | Polychromasia  |

| C65047 LBTESTCD |                        |   |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                           |
| C120648         | PORPH                  | Porphyrin   | A measurement of the total porphyrin in a biological specimen.  | Porphyrin Measurement                        |
| C116210         | PRA                    | PRA Score;Panel Reactive Antibody;Percent Panel Reactive Antibody;Percent Reactive Antibody | A measurement of the panel reactive antibody (the reactivity between host immune cells and donor human leukocyte antigen) in a biological specimen.                   | Panel Reactive Antibody Test                 |
| C100435         | PREALB                 | Prealbumin;Thyroxine-binding Prealbumin;Transthyretin                                       | A measurement of the prealbumin in a biological specimen.   | Prealbumin Measurement                       |
| C111299         | PRINSINS               | Proinsulin/Insulin Ratio  | A relative measurement (ratio or percentage) of the proinsulin to insulin in a biological specimen.   | Proinsulin to Insulin Ratio Measurement      |
| C64829          | PRLYMLE                | Polymphocytes/Leukocytes  | A relative measurement (ratio or percentage) of polymphocytes to leukocytes in a biological specimen.   | Polymphocyte to Leukocyte Ratio              |
| C122141         | PRO                    | Proline   | A measurement of the proline in a biological specimen.  | Proline Measurement                          |
| C74791          | PROGEST                | Progesterone  | A measurement of the progesterone hormone in a biological specimen.   | Progesterone Measurement                     |
| C117846         | PROGESTR               | NR3C3;PR;Progesterone Receptor  | A measurement of the progesterone receptor protein in a biological specimen.  | Progesterone Receptor Measurement            |
| C81967          | PROINSUL               | Proinsulin  | A measurement of the proinsulin in a biological specimen.   | Proinsulin Measurement                       |
| C74870          | PROLCTN                | Prolactin   | A measurement of the prolactin hormone in a biological specimen.  | Prolactin Measurement                        |
| C74620          | PROLYM                 | Polymphocytes   | A measurement of the polymphocytes in a biological specimen.  | Polymphocyte Count                           |
| C74651          | PROLYMLY               | Polymphocytes/Lymphocytes   | A relative measurement (ratio or percentage) of the polymphocytes to all lymphocytes in a biological specimen.  | Polymphocyte to Lymphocyte Ratio Measurement |
| C74652          | PROMONLE               | Promonocytes/Leukocytes   | A relative measurement (ratio or percentage) of the promonocytes to all leukocytes in a biological specimen.  | Promonocyte to Lymphocyte Ratio Measurement  |
| C74621          | PROMONO                | Promonocytes  | A measurement of the promonocytes in a biological specimen.   | Promonocyte Count                            |
| C74622          | PROMY                  | Promyelocytes   | A measurement of the promyelocytes (immature myelocytes) in a biological specimen.  | Promyelocyte Count                           |
| C117847         | PROMYB                 | Promyeloblasts  | A measurement of the promyeloblasts in a biological specimen.   | Promyeloblasts Measurement                   |
| C98773          | PROMYCE                | Promyelocytes/Total Cells   | A relative measurement (ratio or percentage) of the promyelocytes (immature myelocytes) to total cells in a biological specimen (for example a bone marrow specimen). | Promyelocyte to Total Cell Ratio Measurement |



| C65047 LBTESTCD |                        |   |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                               | CDISC Definition  | NCI Preferred Term   |
| C74653          | PROMYLE                | Promyelocytes/Leukocytes                    | A relative measurement (ratio or percentage) of the promyelocytes (immature myelocytes) to all leukocytes in a biological specimen. | Promyelocyte to Lymphocyte Ratio Measurement                   |
| C74885          | PROPOX                 | Propoxyphene                                | A measurement of the propoxyphene present in a biological specimen.   | Propoxyphene Measurement                                       |
| C64858          | PROT                   | Protein                                     | A measurement of the total protein in a biological specimen.  | Total Protein Measurement                                      |
| C79463          | PROTCRT                | Protein/Creatinine                          | A relative measurement (ratio or percentage) of the total protein to creatinine in a biological specimen.                           | Protein to Creatinine Ratio Measurement                        |
| C117848         | PROTEXR                | Protein Excretion Rate                      | A measurement of the amount of total protein being excreted in urine over a defined amount of time (e.g. one hour).                 | Total Protein Urine Excretion Rate                             |
| C92240          | PROTOSML               | Protein/Osmolality;Protein/Osmolality Ratio | A relative measurement (ratio or percentage) of total proteins to the osmolality of a biological specimen.                          | Protein to Osmolality Ratio Measurement                        |
| C117849         | PROTOZOA               | Protozoa                                    | Examination of a biological specimen to detect the presence of protozoa in a biological specimen.                                   | Protozoa Measurement   |
| C100436         | PROTS                  | Protein S                                   | A measurement of the total protein S in a biological specimen.  | Protein S Measurement  |
| C122142         | PROTSFR                | Protein S, Free                             | A measurement of the unbound protein S in a biological specimen.  | Free Protein S Measurement                                     |
| C120649         | PRTN3AB                | Proteinase 3 Antibody                       | A measurement of the proteinase 3 antibody in a biological specimen.  | Proteinase 3 Antibody Measurement                              |
| C17634          | PSA                    | Prostate Specific Antigen                   | A measurement of the prostate specific antigen in a biological specimen.  | Prostate Specific Antigen Measurement                          |
| C74696          | PSDEPHD                | Pseudoephedrine                             | A measurement of the pseudoephedrine present in a biological specimen.  | Pseudoephedrine Measurement                                    |
| C117850         | PSELECT                | GMP-140;P-Selectin                          | A measurement of total P-selectin in a biological specimen.   | P-Selectin Measurement   |
| C120650         | PSELECTS               | Soluble P-Selectin                          | A measurement of the soluble P-selectin in a biological specimen.   | Soluble P-Selectin Measurement                                 |
| C122143         | PSIGAAB                | Phosphatidylserine IgA Antibody             | A measurement of the phosphatidylserine IgA antibody in a biological specimen.  | Phosphatidylserine Antibody IgA Measurement                    |
| C122144         | PSIGGAB                | Phosphatidylserine IgG Antibody             | A measurement of the phosphatidylserine IgG antibody in a biological specimen.  | Phosphatidylserine Antibody IgG Measurement                    |
| C122145         | PSIGMAB                | Phosphatidylserine IgM Antibody             | A measurement of the phosphatidylserine IgM antibody in a biological specimen.  | Phosphatidylserine Antibody IgM Measurement                    |
| C120651         | PSP100AB               | P100 Polymyositis-scleroderma Autoag Ab     | A measurement of the p100 polymyositis-scleroderma overlap syndrome-associated autoantigen antibody in a biological specimen.       | P100 Polymyositis-scleroderma Autoantigen Antibody Measurement |

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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                   |
| C62656          | PT                     | Prothrombin Time  | A blood clotting measurement that evaluates the extrinsic pathway of coagulation.   | Prothrombin Time                                     |
| C98774          | PTA                    | Factor II Activity;Prothrombin Activity   | A measurement of the biological activity of prothrombin in a biological specimen.   | Prothrombin Activity Measurement                     |
| C82034          | PTF1_2                 | Prothrombin Fragments 1 + 2   | A measurement of the prothrombin fragments 1 and 2 in a biological specimen.  | Prothrombin Fragments 1 and 2 Measurement            |
| C81964          | PTHCT                  | Parathyroid Hormone, C-Terminal   | A measurement of the C-terminal fragment of parathyroid hormone in a biological specimen.   | C-Terminal Parathyroid Hormone Measurement           |
| C74784          | PTHFG                  | Parathyroid Hormone, Fragmented   | A measurement of the fragmented parathyroid hormone in a biological specimen.   | Fragmented Parathyroid Hormone Measurement           |
| C74789          | PTHI                   | Parathyroid Hormone, Intact   | A measurement of the intact parathyroid hormone (consisting of amino acids 1-84 or 7-84) in a biological specimen.                  | Intact Parathyroid Hormone Measurement               |
| C81965          | PTHMM                  | Parathyroid Hormone, Mid-Molecule   | A measurement of the mid-molecule fragment of parathyroid hormone in a biological specimen.   | Mid-Molecule Parathyroid Hormone Measurement         |
| C81966          | PTHNT                  | Parathyroid Hormone, N-Terminal   | A measurement of the N-terminal fragment of parathyroid hormone in a biological specimen.   | N-Terminal Parathyroid Hormone Measurement           |
| C117851         | PTHRP                  | Parathyroid Hormone-related Peptide;Parathyroid Hormone-related Protein               | A measurement of parathyroid hormone-related protein in a biological specimen.  | Parathyroid Hormone-related Protein Measurement      |
| C103451         | PTHW                   | Parathyroid Hormone, Whole  | A measurement of the whole parathyroid hormone (consisting of amino acids 1-84) in a biological specimen.                           | Whole Parathyroid Hormone Measurement                |
| C80211          | PYRIDNLN               | Pyridinoline  | A measurement of the pyridinoline in a biological specimen.   | Pyridinoline Measurement                             |
| C80202          | PYY                    | Peptide Tyrosine Tyrosine;Peptide YY  | A measurement of the peptide YY in a biological specimen.   | Peptide YY Measurement                               |
| C117852         | RANKL                  | Receptor Activator Nuclear KappaB Ligand;Receptor Activator of Nuclear Kappa-B Ligand | A measurement of the receptor activator of nuclear kappa-B ligand in a biological specimen.   | Receptor Activator Nuclear KappaB Ligand Measurement |
| C81957          | RANTES                 | Chemokine Ligand 5;Reg upon Act Normal T-cell Exprd Secrtd                            | A measurement of the RANTES (regulated on activation, normally, T-cell expressed, and secreted) chemokine in a biological specimen. | Reg upon Act Normal T-cell Exprd Secrtd Measurement  |
| C51946          | RBC                    | Erythrocytes;Red Blood Cells  | A measurement of the total erythrocytes in a biological specimen.   | Erythrocyte Count                                    |
| C111197         | RBCAGGLU               | Autoagglutination;Erythrocyte Agglutination;RBC Agglutination                         | A measurement of the erythrocyte agglutination in a biological specimen.  | Erythrocyte Agglutination Measurement                |
| C92245          | RBCCLMP                | Erythrocyte Cell Clumps;RBC Clumps;Red Blood Cell Clumps                              | A measurement of red blood cell clumps in a biological specimen.  | Erythrocyte Cell Clumps Measurement                  |
| C117853         | RBCDIPOP               | Dimorphic Erythrocyte Population;Dimorphic RBC Population                             | Examination of a biological specimen to detect the presence of dimorphic erythrocyte population.                                    | Dimorphic Erythrocyte Population                     |

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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C116212         | RBCFRAG                | Erythrocyte Fragment;RBC Fragment  | A measurement of the red blood cell fragments (red cell fragments that have a reticular-like shape with rounded ends and no spicules, differentiating them from schistocytes and acanthocytes) in a biological specimen. | Erythrocyte Fragment Measurement                                     |
| C96605          | RBCGHOST               | Erythrocyte Ghosts;RBC Ghosts  | A measurement of the erythrocyte ghosts (erythrocytes in which hemoglobin has been removed through hemolysis) in a biological specimen.  | Erythrocyte Ghost Count  |
| C92296          | RBCMORPH               | Erythrocyte Cell Morphology;RBC Morphology;Red Blood Cell Morphology       | An examination or assessment of the form and structure of red blood cells.   | Erythrocyte Cell Morphology  |
| C74705          | RBCNUC                 | Nucleated Erythrocytes;Nucleated Red Blood Cells                           | A measurement of the nucleated erythrocytes (large, immature nucleated erythrocytes) in a biological specimen.   | Nucleated Red Blood Cell Count                                       |
| C82046          | RBCNUCLE               | Nucleated Erythrocytes/Leukocytes  | A relative measurement (ratio or percentage) of nucleated erythrocytes to leukocytes in a biological specimen.   | Nucleated Erythrocyte to Leukocyte Ratio Measurement                 |
| C74647          | RBCNURBC               | Nucleated Erythrocytes/Erythrocytes;Nucleated Red Blood Cells/Erythrocytes | A relative measurement (ratio or percentage) of the nucleated erythrocytes (large, immature nucleated erythrocytes) to all erythrocytes in a biological specimen.  | Nucleated Red Blood Cell to Erythrocyte Ratio Measurement            |
| C112412         | RBOIGGAB               | Measles IgG Antibody;Rubeola IgG Antibody                                  | A measurement of the Measles (Rubeola) virus IgG antibody in a biological specimen.  | Rubeola IgG Antibody Measurement                                     |
| C112413         | RBOIGMAB               | Measles IgM Antibody;Rubeola IgM Antibody                                  | A measurement of the Measles (Rubeola) virus IgM antibody in a biological specimen.  | Rubeola IgM Antibody Measurement                                     |
| C100437         | RBP                    | Retinol Binding Protein  | A measurement of the total retinol binding protein in a biological specimen.   | Retinol Binding Protein Measurement                                  |
| C64800          | RDW                    | Erythrocytes Distribution Width;Red Blood Cell Distribution Width          | A value derived from mean corpuscular volume and the standard deviation of the red blood cell volume in a whole blood specimen.  | Erythrocyte Distribution Width Measurement                           |
| C74893          | RENIN                  | Active Renin;Angiotensinogenase;Direct Renin;Renin                         | A measurement of the renin in a biological specimen.   | Renin Measurement  |
| C111305         | RENINA                 | PRA;Plasma Renin Activity;Renin Activity;URA;Urinary Renin Activity        | A measurement of the renin activity in a biological specimen.  | Renin Activity Measurement   |
| C80205          | RESISTIN               | Resistin   | A measurement of the resistin in a biological specimen.  | Resistin Measurement   |
| C102274         | RETCRRBC               | HCT Corrected Reticulocytes/Erythrocytes                                   | A relative measurement (ratio or percentage) of the hematocrit corrected reticulocytes to erythrocytes in a biological specimen.   | Hematocrit Corrected Reticulocytes to Erythrocytes Ratio Measurement |
| C51947          | RETI                   | Reticulocytes  | A measurement of the reticulocytes in a biological specimen.   | Reticulocyte Count   |
| C114218         | RETICDW                | Reticulocyte Distribution Width  | A measurement of the range of reticulocyte sizes in a biological specimen.   | Reticulocyte Distribution Width                                      |

| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C98776          | RETICH                 | CHr;Ret. Corpuscular Hemoglobin Content;Reticulocyte Hemoglobin | A measurement of the total amount of hemoglobin in the reticulocyte population.  | Reticulocyte Hemoglobin Measurement                                      |
| C116188         | RETIH                  | High Absorption Reticulocytes                                   | A measurement of the high absorption reticulocytes in a biological specimen.   | High Absorption Reticulocyte Measurement                                 |
| C102273         | RETIHCR                | Hematocrit Corrected Reticulocytes                              | A measurement of the hematocrit corrected reticulocytes in a biological specimen.  | Hematocrit Corrected Reticulocyte Count                                  |
| C116189         | RETIHRTC               | High Absorption Retic/Reticulocytes                             | A relative measurement (ratio or percentage) of the high absorption reticulocytes to total reticulocytes in a biological specimen.   | High Absorption Reticulocytes to Total Reticulocytes Ratio Measurement   |
| C116190         | RETIL                  | Low Absorption Reticulocytes                                    | A measurement of the low absorption reticulocytes in a biological specimen.  | Low Absorption Reticulocyte Measurement                                  |
| C116191         | RETILRTC               | Low Absorption Retic/Reticulocytes                              | A relative measurement (ratio or percentage) of the low absorption reticulocytes to total reticulocytes in a biological specimen.    | Low Absorption Reticulocytes to Total Reticulocytes Ratio Measurement    |
| C116192         | RETIM                  | Medium Absorption Reticulocytes                                 | A measurement of the medium absorption reticulocytes in a biological specimen.   | Medium Absorption Reticulocyte Measurement                               |
| C117855         | RETIMCH                | CHCMr;Ret. Mean Corpuscular Hemoglobin                          | A measurement of the mean amount of hemoglobin per reticulocyte in a biological specimen.  | Reticulocyte Mean Corpuscular Hemoglobin Measurement                     |
| C116193         | RETIMRTC               | Medium Absorption Retic/Reticulocytes                           | A relative measurement (ratio or percentage) of the medium absorption reticulocytes to total reticulocytes in a biological specimen. | Medium Absorption Reticulocytes to Total Reticulocytes Ratio Measurement |
| C64828          | RETIRBC                | Reticulocytes/Erythrocytes                                      | A relative measurement (ratio or percentage) of reticulocytes to erythrocytes in a biological specimen.                              | Reticulocyte to Erythrocyte Ratio  |
| C74717          | RF                     | Rheumatoid Factor   | A measurement of the rheumatoid factor antibody in a biological specimen.  | Rheumatoid Factor Measurement  |
| C120652         | RFIGAAB                | Rheumatoid Factor IgA Antibody                                  | A measurement of the rheumatoid factor IgA antibody in a biological specimen.  | Rheumatoid Factor Antibody IgA Measurement                               |
| C120653         | RFIGGAB                | Rheumatoid Factor IgG Antibody                                  | A measurement of the rheumatoid factor IgG antibody in a biological specimen.  | Rheumatoid Factor Antibody IgG Measurement                               |
| C120654         | RFIGMAB                | Rheumatoid Factor IgM Antibody                                  | A measurement of the rheumatoid factor IgM antibody in a biological specimen.  | Rheumatoid Factor Antibody IgM Measurement                               |
| C92948          | RH                     | Rh Factor   | A measurement of non-specified Rhesus factor antigen(s) in a biological specimen.  | Rh Factor Measurement  |
| C125948         | RHD                    | RhD Factor  | A measurement of the Rhesus factor D antigen in a biological specimen.   | RhD Factor Measurement   |
| C120655         | RLP                    | RLP Cholesterol   | A measurement of the cholesterol remnant-like particles in a biological specimen.  | Remnant-like Particle Cholesterol Measurement                            |

| C65047 LBTESTCD |                        |  |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                                  | CDISC Definition   | NCI Preferred Term                                   |
| C120656         | RMNTLP                 | Remnant Lipoprotein                            | A measurement of the remnant lipoproteins in a biological specimen.  | Remnant Lipoprotein Measurement                      |
| C120657         | RNP70AB                | Ribonucleoprotein-70 Antibody;snRNP70 Antibody | A measurement of the small nuclear ribonucleoprotein 70 antibody in a biological specimen.   | Ribonucleoprotein-70 Antibody Measurement            |
| C100457         | RNPAB                  | RNP Antibody;Ribonucleoprotein Antibody        | A measurement of the ribonucleoprotein antibody in a biological specimen.  | Ribonucleoprotein Antibody Measurement               |
| C120658         | RNPSMAB                | Ribonucleoprotein Smith Complex Antibody       | A measurement of the ribonucleoprotein Smith complex antibody in a biological specimen.  | Ribonucleoprotein Smith Complex Antibody Measurement |
| C122146         | ROM                    | Reactive Oxygen Metabolite                     | A measurement of the reactive oxygen metabolite in a biological specimen.  | Reactive Oxygen Metabolite Measurement               |
| C74624          | ROULEAUX               | Rouleaux Formation                             | A measurement of the number of stacking red blood cells within a biological specimen.  | Rouleaux Formation Count                             |
| C122147         | RP3IGGAB               | RNA Polymerase III IgG Antibody                | A measurement of the RNA polymerase III IgG antibody in a biological specimen.   | RNA Polymerase III IgG Antibody Measurement          |
| C120659         | RPPAB                  | Ribosomal P Protein Antibody                   | A measurement of the total ribosomal P protein antibody in a biological specimen.  | Ribosomal P Protein Antibody Measurement             |
| C74716          | RPR                    | Rapid Plasma Reagin                            | A measurement of the antibodies produced by cellular damage caused by Treponema pallidum (syphilis) in a biological specimen.                  | Rapid Plasma Reagin Measurement                      |
| C96628          | RPTLTIME               | Reptilase Time                                 | A measurement of the time it takes a plasma sample to clot after adding the active enzyme reptilase.   | Reptilase Time Measurement                           |
| C81968          | RT3                    | Triiodothyronine, Reverse                      | A measurement of the reverse triiodothyronine in a biological specimen.  | Reverse Triiodothyronine Measurement                 |
| C103440         | RUBIGGAB               | Rubella IgG Antibody                           | A measurement of the Rubella IgG antibody in a biological specimen.  | Rubella IgG Antibody Measurement                     |
| C127635         | S100B                  | S100 Calcium-Binding Protein B                 | A measure of the S100 calcium-binding protein B in a biological specimen.  | S100 Calcium-Binding Protein B Measurement           |
| C120660         | SCCAG                  | Squamous Cell Carcinoma Antigen                | A measurement of the squamous cell carcinoma antigen in a biological specimen.   | Squamous Cell Carcinoma Antigen Measurement          |
| C82035          | SCF                    | KIT Ligand;Stem Cell Factor                    | A measurement of the stem cell factor in a biological specimen.  | Stem Cell Factor Measurement                         |
| C74706          | SCHISTO                | Schistocytes                                   | A measurement of the schistocytes (fragmented red blood cells) in a biological specimen.   | Schistocyte Count                                    |
| C74656          | SCKCERBC               | Sickle Cells/Erythrocytes                      | A relative measurement (ratio or percentage) of the sickle cells (sickle shaped red blood cells) to all erythrocytes in a biological specimen. | Sickle Cell to Erythrocyte Ratio Measurement         |
| C74626          | SCKLCE                 | Sickle Cells                                   | A measurement of the sickle cells (sickle shaped red blood cells) in a biological specimen.  | Sickle Cell Count                                    |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                             |
| C100458         | SCL70AB                | Scl-70 Antibody;Scleroderma-70 Antibody                                  | A measurement of the total Scl-70 antibody in a biological specimen.  | Scl-70 Antibody Measurement                    |
| C122148         | SCL70GAB               | Scl-70 IgG Antibody;Scleroderma-70 IgG Antibody                          | A measurement of the Scl-70 IgG antibody in a biological specimen.  | Scl-70 IgG Antibody Measurement                |
| C79465          | SDH                    | Sorbitol Dehydrogenase   | A measurement of the sorbitol dehydrogenase in a biological specimen.   | Sorbitol Dehydrogenase Measurement             |
| C74871          | SECRETIN               | Secretin   | A measurement of the secretin hormone in a biological specimen.   | Secretin Measurement                           |
| C105744         | SEDEXAM                | Microscopic Sediment Analysis;Sediment Analysis;Sediment Examination     | An observation, assessment or examination of the sediment in a biological specimen.   | Sediment Analysis                              |
| C122149         | SER                    | Serine   | A measurement of the serine in a biological specimen.   | Serine Measurement                             |
| C74625          | SEZCE                  | Sezary Cells   | A measurement of the Sezary cells (atypical lymphocytes with cerebriform nuclei) in a biological specimen.  | Sezary Cell Count                              |
| C74655          | SEZCELY                | Sezary Cells/Lymphocytes   | A relative measurement (ratio or percentage of the Sezary cells (atypical lymphocytes with cerebriform nuclei) to all lymphocytes in a biological specimen. | Sezary Cell to Lymphocyte Ratio Measurement    |
| C111322         | SFTPD                  | SP-D;Surfactant Protein D  | A measurement of the surfactant protein D in a biological specimen.   | Surfactant Protein D Measurement               |
| C74745          | SHBG                   | Sex Hormone Binding Globulin;Sex Hormone Binding Protein                 | A measurement of the sex hormone binding (globulin) protein in a biological specimen.   | Sex Hormone Binding Protein Measurement        |
| C74876          | SIXMAM                 | 6-Monoacetylmorphine   | A measurement of the 6-monoacetylmorphine present in a biological specimen.   | 6-Monoacetylmorphine Measurement               |
| C120661         | SJSA52AB               | Sjogrens SS-A52 Antibody   | A measurement of the Sjogrens SS-A52 antibody in a biological specimen.   | Sjogrens SS-A52 Antibody Measurement           |
| C120662         | SJSA60AB               | Sjogrens SS-A60 Antibody   | A measurement of the Sjogrens SS-A60 antibody in a biological specimen.   | Sjogrens SS-A60 Antibody Measurement           |
| C92236          | SJSSAAB                | Ro Antibody;Sjogrens SS-A Antibody                                       | A measurement of the Sjogrens SS-A antibody in a biological specimen.   | Sjogren's SS-A Antibody Measurement            |
| C92237          | SJSSBAB                | La Antibody;Sjogrens SS-B Antibody                                       | A measurement of the Sjogrens SS-B antibody in a biological specimen.   | Sjogren's SS-B Antibody Measurement            |
| C122150         | SLAIGGAB               | Soluble Liver Antigen IgG Antibody                                       | A measurement of the soluble liver antigen IgG antibody in a biological specimen.   | Soluble Liver Antigen IgG Antibody Measurement |
| C100438         | SLTFRNRC               | Soluble Transferrin Receptor   | A measurement of the soluble transferrin receptor in a biological specimen.   | Soluble Transferrin Receptor Measurement       |
| C114223         | SLXAG                  | SLeX;Sialyl Lewis X Antigen;Sialyl Lex;Sialyl SSEA-1 Antigen;Sialyl-CD15 | A measurement of the sialyl stage-specific embryonic antigen-1 in a biological specimen.  | Sialyl SSEA-1 Antigen Measurement              |
| C74627          | SMDGCE                 | Basket Cells;Gumprecht Shadow Cells;Shadow Cells;Smudge Cells            | A measurement of the smudge cells (the nuclear remnant of a ruptured white blood cell) in a biological specimen.  | Smudge Cell Count                              |

| C65047 LBTESTCD |                        |   |  |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                             |
| C119294         | SMDGCELE               | Basket Cells/Leukocytes;Gumprecht Shadow Cells/Leukocytes;Shadow Cells/Leukocytes;Smudge Cells/Leukocytes | A relative measurement (ratio or percentage) of smudge cells to leukocytes in a biological specimen.   | Smudge Cells to Leukocytes Ratio Measurement   |
| C92281          | SMTHAB                 | Smith Antibody  | A measurement of the Smith antibody in a biological specimen.  | Smith Antibody Measurement                     |
| C111317         | SMUSCAB                | Actin Antibody;Anti-Smooth Muscle Antibody;Smooth Muscle Antibody   | A measurement of the total smooth muscle antibody in a biological specimen.  | Smooth Muscle Antibody Measurement             |
| C122151         | SMUSCGAB               | Smooth Muscle IgG Antibody  | A measurement of the smooth muscle IgG antibody in a biological specimen.  | Smooth Muscle IgG Antibody Measurement         |
| C114224         | SO2                    | Sulfur Dioxide  | A measurement of the sulfur dioxide in a biological specimen.  | Sulfur Dioxide Measurement                     |
| C64809          | SODIUM                 | Sodium  | A measurement of the sodium in a biological specimen.  | Sodium Measurement                             |
| C117856         | SODMEXR                | Sodium Excretion Rate   | A measurement of the amount of sodium being excreted in urine over a defined amount of time (e.g. one hour).   | Sodium Urine Excretion Rate                    |
| C80360          | SOMATRO                | Growth Hormone;Somatotrophin  | A measurement of the somatotrophin (growth) hormone in a biological specimen.  | Somatotrophin Measurement                      |
| C117857         | SOST                   | Sclerostin  | A measurement of the sclerostin in a biological specimen.  | Sclerostin Measurement                         |
| C74663          | SPERM                  | Spermatozoa   | A measurement of the spermatozoa cells present in a biological specimen.   | Spermatozoa Cell Count                         |
| C102281         | SPERMML                | Sperm Motility  | A measurement of the sperm capable of forward, progressive movement in a semen specimen.   | Sperm Motility Measurement                     |
| C64832          | SPGRAV                 | Specific Gravity  | A ratio of the density of a fluid to the density of water.   | Specific Gravity                               |
| C74707          | SPHERO                 | Spherocytes   | A measurement of the spherocytes (small, sphere-shaped red blood cells) in a biological specimen.  | Spherocyte Count                               |
| C120663         | SPLA2II                | Type II Secretory Phospholipase A2  | A measurement of the type II secretory phospholipase A2 in a biological specimen.  | Type II Secretory Phospholipase A2 Measurement |
| C122152         | SPNAG                  | Streptococcus pneumoniae Antigen  | A measurement of the Streptococcus pneumoniae antigen in a biological specimen.  | Streptococcus pneumoniae Antigen Measurement   |
| C106569         | SPWEIGHT               | Specimen Weight   | A measurement of the weight of a biological specimen.  | Specimen Weight Measurement                    |
| C74872          | SRTONIN                | Serotonin   | A measurement of the serotonin hormone in a biological specimen.   | Serotonin Measurement                          |
| C96567          | STIPBASO               | Basophilic Stippling  | A measurement of the basophilic stippling in a biological specimen.  | Basophilic Stippling Measurement               |
| C74708          | STOMCY                 | Stomatocytes  | A measurement of the stomatocytes (red blood cells with an oval or rectangular area of central pallor, producing the appearance of a cell mouth) in a biological specimen. | Stomatocyte Count                              |

| C65047 LBTESTCD |                        |  |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C117858         | STRIGGAB               | Strongyloides IgG Antibody   | A measurement of strongyloides IgG antibody in a biological specimen.  | Strongyloides IgG Antibody Measurement                    |
| C92282          | STRPLOAB               | Antistreptolysin O;Streptolysin O Antibody   | A measurement of Streptolysin O Antibody in a biological specimen.   | Streptolysin O Antibody Measurement                       |
| C122153         | SULFATE                | Sulfate;Sulphate   | A measurement of the sulfate in a biological specimen.   | Sulfate Measurement                                       |
| C92533          | SVCAM1                 | Soluble Vasc Cell Adhesion Molecule 1  | A measurement of the soluble vascular cell adhesion molecule 1 in a biological specimen.                         | Soluble Vascular Cell Adhesion Molecule 1                 |
| C74747          | T3                     | Total T3;Triiodothyronine  | A measurement of the total (free and bound) triiodothyronine in a biological specimen.                           | Triiodothyronine Measurement                              |
| C74787          | T3FR                   | Free T3;Triiodothyronine, Free   | A measurement of the free triiodothyronine in a biological specimen.   | Free Triiodothyronine Measurement                         |
| C74748          | T3UP                   | Triiodothyronine Uptake  | A measurement of the binding of triiodothyronine to thyroxine binding globulin protein in a biological specimen. | Triiodothyronine Uptake Measurement                       |
| C74794          | T4                     | Thyroxine;Total T4   | A measurement of the total (free and bound) thyroxine in a biological specimen.                                  | Total Thyroxine Measurement                               |
| C74786          | T4FR                   | Free T4;Thyroxine, Free  | A measurement of the free thyroxine in a biological specimen.  | Free Thyroxine Measurement                                |
| C120664         | T4FRIND                | Thyroxine, Free, Indirect  | An indirect measurement of the free thyroxine in a biological specimen.  | Indirect Free Thyroxine Measurement                       |
| C106574         | TAT                    | Thrombin/Antithrombin;Thrombin/Antithrombin III  | A relative measurement (ratio or percentage) of the thrombin to antithrombin present in a sample.                | Thrombin to Antithrombin Ratio Measurement                |
| C122154         | TAURINE                | Tauric Acid;Taurine  | A measurement of the taurine in a biological specimen.   | Taurine Measurement                                       |
| C74746          | TBG                    | Thyroxine Binding Globulin   | A measurement of the thyroxine binding globulin protein in a biological specimen.                                | Thyroxine Binding Globulin Protein Measurement            |
| C117859         | TDTAG                  | Terminal Deoxynucleotidyl Transferase Ag;Terminal Deoxynucleotidyl Transferase Antigen | A measurement of the terminal deoxynucleotidyl transferase antigen in a biological specimen.                     | Terminal Deoxynucleotidyl Transferase Antigen Measurement |
| C64801          | TEARDCY                | Dacryocytes;Tear Shaped Erythrocytes;Teardrop Cells                                    | A measurement of dacryocytes in a biological specimen.   | Dacryocyte Analysis                                       |
| C74793          | TESTOS                 | Testosterone;Total Testosterone  | A measurement of the total (free and bound) testosterone in a biological specimen.                               | Total Testosterone Measurement                            |
| C117860         | TESTOSBA               | Bioavailable Testosterone  | A measurement of bioavailable testosterone in a biological specimen.   | Bioavailable Testosterone Measurement                     |
| C74785          | TESTOSFR               | Testosterone, Free   | A measurement of the free testosterone in a biological specimen.   | Free Testosterone Measurement                             |
| C82037          | TFERRIN                | Transferrin  | A measurement of the total transferrin in a biological specimen.   | Transferrin Measurement                                   |
| C98792          | TFRRNSAT               | Iron Binding Capacity Saturation;Iron Saturation;Iron to TIBC;Transferrin Saturation   | A measurement of the iron bound to transferrin in a biological specimen.   | Transferrin Saturation Measurement                        |



| C65047 LBTESTCD |                        |   |   |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C122155         | TGFB                   | Transforming Growth Factor Beta                                     | A measurement of the total transforming growth factor beta in a biological specimen.  | Transforming Growth Factor Beta Measurement                             |
| C117861         | TGFB1                  | Transforming Growth Factor Beta 1                                   | A measurement of the transforming growth factor beta 1 in a biological specimen.  | Transforming Growth Factor Beta 1 Measurement                           |
| C103446         | TGLOB                  | TG;Thyroglobulin  | A measurement of the thyroglobulin in a biological specimen.  | Thyroglobulin Measurement   |
| C105445         | THEOPHYL               | Theophylline  | A measurement of the Theophylline present in a biological specimen.   | Theophylline Measurement  |
| C122156         | THR                    | Threonine   | A measurement of the threonine in a biological specimen.  | Threonine Measurement   |
| C74873          | THRMPTN                | Thrombopoietin  | A measurement of the thrombopoietin hormone in a biological specimen.   | Thrombopoietin Measurement  |
| C111283         | THROMNUC               | Nucleated Thrombocytes;Thrombocytes                                 | A measurement of the nucleated platelets, namely thrombocytes, in a biological specimen. This is typically measured in birds and other non-mammalian vertebrates. | Nucleated Thrombocyte Count   |
| C81990          | THYAB                  | Thyroid Antibodies  | A measurement of the thyroid antibodies in a biological specimen.   | Thyroid Antibody Measurement  |
| C81991          | THYAMAB                | Thyroid Antimicrosomal Antibodies                                   | A measurement of the thyroid antimicrosomal antibodies in a biological specimen.  | Thyroid Antimicrosomal Antibody Measurement                             |
| C81992          | THYATAB                | Thyroid Antithyroglobulin Antibodies                                | A measurement of the thyroid antithyroglobulin antibodies in a biological specimen.   | Thyroid Antithyroglobulin Antibody Measurement                          |
| C96639          | THYPXD                 | Thyroid Peroxidase;Thyroperoxidase                                  | A measurement of the thyroperoxidase in a biological specimen.  | Thyroperoxidase Measurement   |
| C96638          | THYPXDAB               | Thyroperoxidase Antibody  | A measurement of the thyroperoxidase antibody in a biological specimen.   | Thyroperoxidase Antibody Measurement                                    |
| C82036          | TIMP1                  | Tissue Inhibitor of Metalloproteinase 1                             | A measurement of the tissue inhibitor of metalloproteinase 1 in a biological specimen.  | Tissue Inhibitor of Metalloproteinase 1 Measurement                     |
| C106575         | TIMP1CRE               | TIMP1/Creatinine;Tissue Inhibitor of Metalloproteinase 1/Creatinine | A relative measurement (ratio or percentage) of the tissue inhibitor of metalloproteinase 1 to creatinine present in a sample.                                    | Tissue Inhibitor of Metalloproteinase 1 to Creatinine Ratio Measurement |
| C120665         | TK                     | Thymidine Kinase  | A measurement of the thymidine kinase in a biological specimen.   | Thymidine Kinase Measurement  |
| C122157         | TLYCE                  | T-Lymphocytes   | A measurement of the total thymocyte-derived lymphocytes in a biological specimen.  | T-Lymphocyte Count  |
| C74751          | TNF                    | Tumor Necrosis Factor;Tumor Necrosis Factor alpha                   | A measurement of the total tumor necrosis factor (cachexin) cytokine in a biological specimen.  | Tumor Necrosis Factor Measurement                                       |
| C117862         | TNFAPIA                | TNF-a Production Inhibitory Activity                                | A measurement of TNF-a production inhibitory activity in a biological specimen.   | TNF-a Production Inhibitory Activity Measurement                        |
| C120666         | TNFR1                  | CD120a;Tumor Necrosis Factor Receptor 1                             | A measurement of the tumor necrosis factor receptor 1 (CD120a) in a biological specimen.  | Tumor Necrosis Factor Receptor 1 Measurement                            |

| C65047 LBTESTCD |                        |  |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C117749         | TNFSR                  | Soluble Tumor Necrosis Factor Receptor                     | A measurement of the total soluble tumor necrosis factor receptor in a biological specimen.   | Soluble Tumor Necrosis Factor Receptor Measurement         |
| C117863         | TNFSR1                 | Soluble TNF Receptor Type I                                | A measurement of the soluble tumor necrosis factor receptor type I in a biological specimen.  | Soluble Tumor Necrosis Factor Receptor Type I Measurement  |
| C117864         | TNFSR2                 | Soluble TNF Receptor Type II                               | A measurement of the soluble tumor necrosis factor receptor type II in a biological specimen.                                       | Soluble Tumor Necrosis Factor Receptor Type II Measurement |
| C96641          | TOXGRAN                | Toxic Granulation  | A measurement of the toxic granulation in granulocytic blood cells.   | Toxic Granulation Measurement                              |
| C127813         | TOXVAC                 | Toxic Vacuolation  | A measurement of the toxic vacuolation in any of the granulocytic blood cells.  | Toxic Vacuolation Assessment                               |
| C81993          | TPAAG                  | Tissue Plasminogen Activator Antigen                       | A measurement of the tissue plasminogen activator antigen in a biological specimen.   | Tissue Plasminogen Activator Antigen Measurement           |
| C84811          | TPRONP                 | Non-Phosphorylated Tau Protein                             | A measurement of the non-phosphorylated Tau protein in a biological specimen.   | Nonphosphorylated Tau Protein Measurement                  |
| C84810          | TPROT                  | Tau Protein;Total Tau Protein                              | A measurement of the total Tau protein in a biological specimen.  | Tau Protein Measurement                                    |
| C84812          | TPROTP                 | Phosphorylated Tau Protein                                 | A measurement of the phosphorylated Tau protein in a biological specimen.   | Phosphorylated Tau Protein Measurement                     |
| C117865         | TRACP5B                | TRAP5B;Tartrate-Resistant Acid Phosphatase 5b              | A measurement of tartrate-resistant acid phosphatase 5b in a biological specimen.   | Tartrate-Resistant Acid Phosphatase 5b Measurement         |
| C80208          | TRAP                   | Total Radical-Trap Antioxidant Potential                   | A measurement of the ability of the antioxidants in a biological specimen to buffer free radicals in a suspension.                  | Total Radical-Trap Antioxidant Potential Measurement       |
| C100420         | TRCYANDP               | Tricyclic Antidepressants                                  | A measurement of tricyclic antidepressants in a biological specimen.  | Tricyclic Antidepressant Measurement                       |
| C96636          | TRGTCE                 | Codocytes;Leptocytes;Mexican Hat Cells;Target Cells        | A measurement of the target cells in a biological specimen.   | Target Cell Count  |
| C74874          | TRH                    | Thyrotropin Releasing Factor;Thyrotropin Releasing Hormone | A measurement of the thyrotropin releasing hormone in a biological specimen.  | Thyrotropin Releasing Hormone Measurement                  |
| C92238          | TRICH                  | Trichomonas  | Examination of a biological specimen to detect the presence of any protozoan belonging to the Trichomonas genus.                    | Trichomonas Screening                                      |
| C64812          | TRIG                   | Triglycerides  | A measurement of the triglycerides in a biological specimen.  | Triglyceride Measurement                                   |
| C121183         | TRIGHDL                | Triglycerides/HDL Cholesterol                              | A relative measurement (ratio or percentage) of the triglycerides to high density lipoprotein cholesterol in a biological specimen. | Triglycerides to HDL Cholesterol Ratio Measurement         |
| C74749          | TROPONI                | Troponin I   | A measurement of the actin binding troponin in a biological specimen.   | Troponin I Measurement                                     |
| C127636         | TROPONI2               | Troponin I Type 2  | A measurement of the troponin I type 2 (fast twitch skeletal muscle) in a biological specimen.                                      | Troponin I Type 2 Measurement                              |

| C65047 LBTESTCD |                        |   |  |   |
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| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term  |
| C111327         | TROPONIN               | Troponin  | A measurement of the total troponin in a biological specimen.  | Troponin Measurement                                      |
| C74750          | TROPONT                | Troponin T  | A measurement of the tropomyosin binding troponin in a biological specimen.  | Troponin T Measurement                                    |
| C92292          | TRYPTASE               | Tryptase  | A measurement of the tryptase in a biological specimen.  | Tryptase Measurement                                      |
| C64813          | TSH                    | Thyroid Stimulating Hormone;Thyrotropin                                     | A measurement of the thyrotropin in a biological specimen.   | Thyrotropin Measurement                                   |
| C122158         | TSHRAB                 | Thyroid Stimulating Hormone Receptor Antibody;Thyrotropin Receptor Antibody | A measurement of the thyrotropin receptor antibody in a biological specimen.   | Thyroid Stimulating Hormone Receptor Antibody Measurement |
| C80365          | TT                     | Thrombin Time   | A measurement of the time it takes a plasma sample to clot after adding the active enzyme thrombin. (NCI)                                | Thrombin Time   |
| C74723          | TURB                   | Turbidity   | A measurement of the opacity of a biological specimen.   | Turbidity Measurement                                     |
| C103445         | TXB2                   | Thromboxane B2  | A measurement of the thromboxane B2 in a biological specimen.  | Thromboxane B2 Measurement                                |
| C103344         | TXB2_D11               | 11-Dehydro-Thromboxane B2   | A measurement of the 11-dehydro-thromboxane B2 in a biological specimen.   | 11-Dehydro-Thromboxane B2 Measurement                     |
| C122159         | TYR                    | Tyrosine  | A measurement of the tyrosine in a biological specimen.  | Tyrosine Measurement                                      |
| C112241         | UNSPCE                 | Unspecified Cells   | A measurement of the cells not otherwise identified or specified in a biological specimen.   | Count of Unspecified Cells                                |
| C114225         | UNSPCECE               | Unspecified Cells/Total Cells   | A relative measurement (ratio or percentage) of the cells not otherwise identified or specified to total cells in a biological specimen. | Unspecified Cells to Total Cell Ratio Measurement         |
| C64814          | URATE                  | Urate;Uric Acid   | A measurement of the urate in a biological specimen.   | Urate Measurement   |
| C117866         | URATECRT               | Urate/Creatinine  | A relative measurement (ratio or percentage) of the urate to creatinine in a biological specimen.  | Urate to Creatinine Ratio Measurement                     |
| C64815          | UREA                   | Urea  | A measurement of the urea in a biological specimen.  | Urea Measurement  |
| C96645          | UREACRT                | Urea/Creatinine   | A relative measurement (ratio or percentage) of the urea to creatinine in a biological specimen.   | Urea to Creatinine Ratio Measurement                      |
| C125949         | UREAN                  | Urea Nitrogen   | A measurement of the urea nitrogen in a biological specimen.   | Urea Nitrogen Measurement                                 |
| C125950         | UREANCRT               | Urea Nitrogen/Creatinine  | A relative measurement (ratio or percentage) of the urea nitrogen to creatinine in a biological specimen.                                | Urea Nitrogen to Creatinine Ratio Measurement             |
| C64816          | UROBIL                 | Urobilinogen  | A measurement of the urobilinogen in a biological specimen.  | Urobilinogen Measurement                                  |
| C122160         | VAL                    | Valine  | A measurement of the valine in a biological specimen.  | Valine Measurement  |

| C65047 LBTESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                             | CDISC Definition   | NCI Preferred Term                             |
| C82042          | VCAM1                  | Vascular Cell Adhesion Molecule 1         | A measurement of the vascular cell adhesion molecule 1 in a biological specimen.                         | Vascular Cell Adhesion Molecule 1 Measurement  |
| C92514          | VEGF                   | Vascular Endothelial Growth Factor        | A measurement of the vascular endothelial growth factor in a biological specimen.                        | Vascular Endothelial Growth Factor Measurement |
| C75912          | VISC                   | Viscosity                                 | The resistance of a liquid to shear forces and flow. (NCI)   | Viscosity                                      |
| C74895          | VITA                   | Retinol;Vitamin A                         | A measurement of the Vitamin A in a biological specimen.   | Vitamin A Measurement                          |
| C74896          | VITB1                  | Thiamine;Vitamin B1                       | A measurement of the thiamine in a biological specimen.  | Vitamin B1 Measurement                         |
| C64817          | VITB12                 | Vitamin B12                               | A measurement of the Vitamin B12 in a serum specimen.  | Vitamin B12 Measurement                        |
| C74897          | VITB17                 | Amygdalin;Vitamin B17                     | A measurement of the Vitamin B17 in a biological specimen.   | Vitamin B17 Measurement                        |
| C74898          | VITB2                  | Riboflavin;Vitamin B2                     | A measurement of the riboflavin in a biological specimen.  | Vitamin B2 Measurement                         |
| C74899          | VITB3                  | Niacin;Vitamin B3                         | A measurement of the niacin in a biological specimen.  | Vitamin B3 Measurement                         |
| C74900          | VITB5                  | Pantothenic Acid;Vitamin B5               | A measurement of the Vitamin B5 in a biological specimen.  | Vitamin B5 Measurement                         |
| C74901          | VITB6                  | Pyridoxine;Vitamin B6                     | A measurement of the Vitamin B6 in a biological specimen.  | Vitamin B6 Measurement                         |
| C74902          | VITB7                  | Biotin;Vitamin B7                         | A measurement of the Vitamin B7 in a biological specimen.  | Vitamin B7 Measurement                         |
| C74676          | VITB9                  | Folic Acid;Vitamin B9                     | A measurement of the folic acid in a biological specimen.  | Folic Acid Measurement                         |
| C74903          | VITC                   | Ascorbic Acid;Vitamin C                   | A measurement of the Vitamin C in a biological specimen.   | Vitamin C Measurement                          |
| C84818          | VITD                   | Total Vitamin D;Vitamin D                 | A measurement of the total Vitamin D in a biological specimen.   | Vitamin D Measurement                          |
| C74904          | VITD2                  | Ergocalciferol;Vitamin D2                 | A measurement of the Vitamin D2 in a biological specimen.  | Vitamin D2 Measurement                         |
| C74905          | VITD3                  | Cholecalciferol;Vitamin D3                | A measurement of the Vitamin D3 in a biological specimen.  | Vitamin D3 Measurement                         |
| C92267          | VITDAT                 | 1, 25-Dihydroxyvitamin D;Active Vitamin D | A measurement of the total active Vitamin D in a biological specimen.                                    | 1, 25-Dihydroxyvitamin D Measurement           |
| C92268          | VITDIT                 | 25-Hydroxyvitamin D;Inactive Vitamin D    | A measurement of the total inactive Vitamin D in a biological specimen.                                  | 25-Hydroxyvitamin D Measurement                |
| C74906          | VITE                   | Vitamin E                                 | A measurement of the Vitamin E in a biological specimen.   | Vitamin E Measurement                          |
| C103448         | VITECHOL               | Vitamin E/Cholesterol                     | A relative measurement (ratio or percentage) of vitamin E to total cholesterol in a biological specimen. | Vitamin E to Cholesterol Ratio Measurement     |
| C74907          | VITK                   | Naphthoquinone;Vitamin K                  | A measurement of the total Vitamin K in a biological specimen.   | Vitamin K Measurement                          |
| C103449         | VITK1                  | Phylloquinone;Phytomenadione;Vitamin K1   | A measurement of the Vitamin K1 in a biological specimen.  | Vitamin K1 Measurement                         |

| C65047 LBTESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                   |
| C105589         | VLDL                   | VLDL Cholesterol  | A measurement of the very low density lipoprotein cholesterol in a biological specimen.              | Very Low Density Lipoprotein Cholesterol Measurement |
| C120667         | VLDL1                  | VLDL Cholesterol Subtype 1  | A measurement of the very low density lipoprotein cholesterol subtype 1 in a biological specimen.    | VLDL Cholesterol Subtype 1 Measurement               |
| C120668         | VLDL2                  | VLDL Cholesterol Subtype 2  | A measurement of the very low density lipoprotein cholesterol subtype 2 in a biological specimen.    | VLDL Cholesterol Subtype 2 Measurement               |
| C120669         | VLDL3                  | VLDL Cholesterol Subtype 3  | A measurement of the very low density lipoprotein cholesterol subtype 3 in a biological specimen.    | VLDL Cholesterol Subtype 3 Measurement               |
| C103450         | VLDLPSZ                | VLDL Particle Size  | A measurement of the average particle size of very-low-density lipoprotein in a biological specimen. | VLDL Particle Size Measurement                       |
| C74875          | VMA                    | Vanillyl Mandelic Acid;Vanilmandelic Acid                                   | A measurement of the vanillyl mandelic acid metabolite in a biological specimen.                     | Vanillyl Mandelic Acid Measurement                   |
| C74720          | VOLUME                 | Volume  | A measurement of the volume of a biological specimen.  | Volume Measurement                                   |
| C117867         | VZVAB                  | Varicella Zoster Virus Antibody   | A measurement of the total varicella zoster virus antibody in a biological specimen.                 | Varicella Zoster Virus Antibody Measurement          |
| C98795          | VZVIGAAB               | Varicella Zoster Virus IgA Antibody   | A measurement of the Varicella Zoster virus IgA antibodies in a biological specimen.                 | Varicella Zoster Virus IgA Antibody Measurement      |
| C98796          | VZVIGGAB               | Varicella Zoster Virus IgG Antibody   | A measurement of the Varicella Zoster virus IgG antibodies in a biological specimen.                 | Varicella Zoster Virus IgG Antibody Measurement      |
| C98797          | VZVIGMAB               | Varicella Zoster Virus IgM Antibody   | A measurement of the Varicella Zoster virus IgM antibodies in a biological specimen.                 | Varicella Zoster Virus IgM Antibody Measurement      |
| C51948          | WBC                    | Leukocytes;White Blood Cells  | A measurement of the leukocytes in a biological specimen.  | Leukocyte Count                                      |
| C92246          | WBCCLMP                | Leukocyte Cell Clumps;WBC Clumps;White Blood Cell Clumps                    | A measurement of white blood cell clumps in a biological specimen.                                   | Leukocyte Cell Clumps Measurement                    |
| C92297          | WBCMORPH               | Leukocyte Cell Morphology;WBC Morphology;White Blood Cell Morphology        | An examination or assessment of the form and structure of white blood cells.                         | Leukocyte Cell Morphology                            |
| C127637         | WDR26                  | CDW2;MIP2;Macrophage Inflammatory Protein-2;WD Repeat-Containing Protein 26 | A measurement of the WD repeat-containing protein 26 in a biological specimen.                       | WD Repeat-Containing Protein 26 Measurement          |
| C74664          | YEAST                  | Yeast Cells   | A measurement of the yeast cells present in a biological specimen.                                   | Yeast Cell Measurement                               |
| C106504         | YEASTBUD               | Budding Yeast;Yeast Budding   | A measurement of the budding yeast present in a biological specimen.                                 | Budding Yeast Measurement                            |
| C92239          | YEASTHYP               | Yeast Hyphae  | A measurement of the yeast hyphae present in a biological specimen.                                  | Yeast Hyphae Screening                               |
| C80210          | ZINC                   | Zinc  | A measurement of the zinc in a biological specimen.  | Zinc Measurement                                     |

## LOC (Anatomical Location)

NCI Code: C74456, Codelist extensible: Yes

| C74456 LOC |                            |  |   |                              |
|------------|----------------------------|--|---|------------------------------|
| NCI Code   | CDISC Submission Value     | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term           |
| C116163    | 5TH LUMBAR SPINOUS PROCESS |  | The spinous process of the 5th lumbar vertebra.   | Fifth Lumbar Spinous Process |
| C32038     | ABDOMINAL AORTA            |  | The portion of the descending aorta that lies within the abdomen, beginning below the diaphragm and ending at its division into the right and left common iliac arteries. (NCI)   | Abdominal Aorta              |
| C12664     | ABDOMINAL CAVITY           | Abdomen;Abdominal Cavity               | The portion of the body that lies between the thorax and the pelvis. (NCI)  | Abdomen                      |
| C12360     | ABDOMINAL LYMPH NODE       |  | Any lymph node within the abdomen.  | Intra-Abdominal Lymph Node   |
| C52758     | ABDOMINAL SKIN             | Abdominal Skin                         | The skin or integument surrounding the abdomen. (NCI)   | Abdominal Skin               |
| C77608     | ABDOMINAL WALL             |  | The tissues that surround the organs that are present within the abdominal cavity. The abdominal wall tissue is composed of layers of fat, parietal peritoneum, fascia, and muscles. (NCI)  | Abdominal Wall               |
| C12665     | ABDUCENS NERVE             |  | The sixth cranial nerve.  | Abducens Nerve               |
| C116183    | ACCESSORY RENAL ARTERY     |  | An additional renal vessel originating from the aorta and entering the kidney at the proximal or distal end of the organ. Accessory renal arteries are found in 26-30% of humans.   | Accessory Renal Artery       |
| C32042     | ACETABULUM                 | Acetabulum                             | Two cup shaped areas, one each on the lateral side of the lower pelvis that house the head of the femur to form the ball and socket joint of the hip. (NCI)   | Acetabulum                   |
| C32043     | ACHILLES TENDON            | Calcaneal Tendon                       | The tendon that connects the heel bone to the calf muscles at the back of the lower leg. (NCI)  | Achilles Tendon              |
| C32047     | ACROMIOCLAVICULAR JOINT    | Acromioclavicular Joint                | The junction of the upper distal end of the scapula to the distal edge of the collarbone, also known as the acromion and the clavicle. (NCI)  | Acromioclavicular Joint      |
| C32048     | ACROMION                   | Acromion                               | The upper distal process of the scapula. (NCI)  | Acromion                     |
| C102285    | ACUTE MARGINAL ARTERY      | ACUTE MARGINAL ARTERY SEGMENT(S);AMARG | The arteries that arise at the junction of the proximal and mid-right coronary artery conduit segments.   | Acute Marginal Artery        |
| C12666     | ADRENAL GLAND              | Adrenal Gland                          | Suprarenal gland. A flattened, roughly triangular body resting upon the upper end of each kidney; it is one of the ductless glands furnishing internal secretions (epinephrine and norepinephrine from the medulla and steroid hormones from the cortex). (NCI) | Adrenal Gland                |
| C12440     | AMYGDALA                   | Amygdaloid Nucleus                     | An almond-shaped group of basal nuclei anterior to the inferior horn of the lateral ventricle of the brain, within the temporal lobe. The amygdala is part of the limbic system. (MESH)   | Amygdala                     |
| C15609     | ANASTOMOSIS                | Anastomosis                            | A natural or surgically-induced connection between tubular structures in the body. (NCI)  | Anastomosis                  |
| C32078     | ANKLE JOINT                | Ankle;Ankle Joint                      | A gliding joint between the distal ends of the tibia and fibula and the proximal end of the talus. (NCI)  | Ankle Joint                  |
| C117868    | ANKLE MORTISE              | Talar Mortise                          | A rectangular socket or bony arch that connects the ends of the tibia and fibula to the talus.  | Ankle Mortise                |
| C12825     | ANTERIOR TIBIAL ARTERY     |  | An artery of the lower extremity that supplies blood to the anterior part of the leg and the foot.  | Anterior Tibial Artery       |
| C12259     | ANTRUM PYLORI              | Antrum Pylori                          | The initial part of the pyloric canal of the stomach. This site contains endocrine cells that produce gastrin and somatostatin. (NCI)   | Antrum Pylori                |
| C43362     | ANUS                       | Anus                                   | The lower opening of the digestive tract, lying in the cleft between the buttocks, through which fecal matter is extruded. (NCI)  | Anus                         |

| C74456 LOC |                                       |  |  |   |
|------------|---------------------------------------|--|--|---|
| NCI Code   | CDISC Submission Value                | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term                      |
| C12669     | AORTA                                 | Aorta                                  | The major arterial trunk that carries oxygenated blood from the left ventricle into the ascending aorta behind the heart, the aortic arch, through the thorax as the descending aorta and through the abdomen as the abdominal aorta; it bifurcates into the left and right common iliac arteries. (NCI) | Aorta                                   |
| C32123     | AORTIC ARCH                           | Aortic Arch                            | The curved segment of the aorta between the ascending and the descending segments.   | Aortic Arch                             |
| C12670     | AORTIC VALVE                          |  | A valve that is located between and controls the flow of blood from the left ventricle of the heart and the aorta. (NCI)   | Aortic Valve                            |
| C127638    | AORTIC VALVE, LEFT CORONARY CUSP      | Aortic Valve, Left Semilunar Cusp      | The cusp of the aortic valve that overlies the left coronary ostium.   | Left Coronary Cusp of the Aortic Valve  |
| C127639    | AORTIC VALVE, NON-CORONARY CUSP       | Aortic Valve, Posterior Semilunar Cusp | The cusp of the aortic valve that is positioned posteriorly relative to the left and right aortic cusps.   | Non-Coronary Cusp of the Aortic Valve   |
| C127640    | AORTIC VALVE, RIGHT CORONARY CUSP     | Aortic Valve, Right Semilunar Cusp     | The cusp of the aortic valve that overlies the right coronary ostium.  | Right Coronary Cusp of the Aortic Valve |
| C116166    | AORTO-ILIAC PERIPHERAL ARTERY         |  | The segment of the blood vessels that includes the iliac artery and its origin from the aorta.   | Aortoiliac Artery Segment               |
| C116165    | AORTOPULMONARY WINDOW LYMPH NODE      |  | A lymph node located in the aortopulmonary window.   | Aortopulmonary Window Lymph Node        |
| C83470     | APPENDICEAL TIP                       |  | The distal end of the appendix. (NCI)  | Appendiceal Tip                         |
| C49477     | APPENDICULAR SKELETON                 |  | The part of the skeleton that includes the bones of the upper and lower limbs, including the shoulder and pelvic girdles   | Appendicular Skeleton                   |
| C12380     | APPENDIX                              | Appendix                               | Small tissue projection existing as a cecal diverticulum with a questionable history of vestigial versus specialized organ. (NCI)  | Appendix                                |
| C32141     | ARM                                   | Arm                                    | The portion of the upper extremity between the shoulder and the elbow. For clinical purposes this term is also used to refer to the whole superior limb. (NCI)   | Arm                                     |
| C52754     | ARM SKIN                              | Arm Skin                               | The skin or integument covering the arm. (NCI)   | Arm Skin                                |
| C12372     | ARTERY                                | Artery                                 | A blood vessel that carries blood away from the heart. (NCI)   | Artery                                  |
| C12774     | ARTERY, PULMONARY                     |  | Either one of two arteries arising from the pulmonary trunk that carry deoxygenated blood to the lungs.  | Pulmonary Artery                        |
| C32150     | ASCENDING AORTA                       |  | The portion of the aorta that emerges from the left ventricle and precedes the aortic arch.  | Ascending Aorta                         |
| C127641    | ASCENDING AORTA, AORTIC ROOT          |  | The portion of the ascending aorta between the aortic annulus and the sinotubular junction.  | Aortic Root                             |
| C127642    | ASCENDING AORTA, SINOTUBULAR JUNCTION |  | The terminus of the aortic root; the point at which the aorta attains a tubular configuration.   | Sinotubular Junction                    |
| C33557     | ASCENDING AORTA, SINUS OF VALSALVA    |  | Any one of the naturally occurring sinuses of the aortic root distal to the semilunar valve.   | Sinus of Valsalva                       |
| C32172     | AXIAL SKELETON                        |  | The part of the skeleton that includes the skull and spinal column and sternum and ribs. (NCI)   | Axial Skeleton                          |
| C12674     | AXILLA                                | Axilla                                 | The underside concavity where the arm and the shoulder are joined. (NCI)   | Axilla                                  |
| C32169     | AXILLARY ARTERY                       |  | An artery that originates from the subclavian artery at the lateral margin of the first rib. It supplies the brachial artery.  | Axillary Artery                         |
| C12904     | AXILLARY LYMPH NODE                   | Axillary Lymph Node                    | One of approximately 20-30 lymph nodes in chain formation that traverse the concavity of the underarm to the clavicle. (NCI)   | Axillary Lymph Node                     |
| C123461    | AXILLARY LYMPH NODE LEVEL I           |  | Axillary lymph nodes located inferolateral to pectoralis minor.  | Axillary Lymph Node Level I             |
| C123462    | AXILLARY LYMPH NODE LEVEL II          |  | Axillary lymph nodes located posterior to pectoralis minor.  | Axillary Lymph Node Level II            |

| C74456 LOC |                               |                              |   |                               |
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| NCI Code   | CDISC Submission Value        | CDISC Synonym                | CDISC Definition  | NCI Preferred Term            |
| C123463    | AXILLARY LYMPH NODE LEVEL III |                              | Axillary lymph nodes located superomedial to pectoralis minor.  | Axillary Lymph Node Level III |
| C32171     | AXILLARY VEIN                 |                              | A large blood vessel which returns blood to the heart from the lateral thorax, axilla and upper limb. Each side of the body contains one axillary vein.   | Axillary Vein                 |
| C13062     | BACK                          | Back                         | The dorsal area between the base of the neck and the sacrum. (NCI)  | Back                          |
| C12447     | BASAL GANGLIA                 | Basal Ganglia                | Clusters of neurons comprising the globus pallidus, putamen, caudate, nucleus accumbens, substantia nigra and subthalamic nucleus. They are involved with high level aspects of inhibitory motor activity in coordination with the excitation commands issued from the cerebellum. (NCI)                | Basal Ganglia                 |
| C32197     | BASILIC VEIN                  | Basilic Vein                 | One of the moderately large superficial veins of the forearm that transports blood from the hand and the medial aspect of the forearm to the axillary vein. (NCI)   | Basilic Vein                  |
| C32200     | BICEPS BRACHII MUSCLE         | Biceps                       | A muscle in the upper limb. Its action involves the rotation of the limb and the flexion of the humeralradial joint.  | Biceps                        |
| C53147     | BICEPS FEMORIS MUSCLE         |                              | A muscle in the back of the thigh. Its action involves the knee flexion and hip extension. (NCI)  | Biceps Femoris                |
| C12376     | BILE DUCT                     |                              | Any of the ducts conveying bile between the liver and the intestine, including hepatic, cystic, and common bile duct.   | Bile Duct                     |
| C12678     | BILIARY TRACT                 | Biliary Tract                | The duct system that transports bile from its origination by hepatocytes in the liver to the small intestine. It is comprised of the common bile duct that connects the liver and gall bladder to the small intestine and the cystic duct that connects the gall bladder to the common bile duct. (NCI) | Biliary Tract                 |
| C12414     | BLADDER                       | Bladder                      | The distensible sac-like organ that functions as a reservoir of urine, collecting from the kidneys and eliminating via the urethra. (NCI)   | Bladder                       |
| C48941     | BLADDER WALL                  |                              | The tissue layers that form the urinary bladder. They include the mucosa, submucosa, smooth muscle, and serosa.   | Bladder Wall                  |
| C12332     | BLADDER, DOME                 | Dome of the Bladder          | The upper, convex surface of the bladder. (NCI)   | Dome of the Bladder           |
| C48939     | BLADDER, FUNDUS               | Fundus of the Bladder        | The portion of the bladder that is formed by the posterior wall and is located opposite to the bladder opening. (NCI)   | Bladder Fundus                |
| C12336     | BLADDER, NECK                 | Neck of the Bladder          | The inferior portion of the urinary bladder which is formed as the walls of the bladder converge and become contiguous with the proximal urethra. (NCI)   | Bladder Neck                  |
| C12331     | BLADDER, TRIGONE              | Trigone of the Bladder       | The triangular area in the bladder mucosa that is formed by the two ureteral orifices and the urethral orifice. (NCI)   | Bladder Trigone               |
| C12434     | BLOOD                         | Peripheral Blood;Whole Blood | A liquid tissue with the primary function of transporting oxygen and carbon dioxide. It supplies the tissues with nutrients, removes waste products, and contains various components of the immune system defending the body against infection.   | Blood                         |
| C12679     | BLOOD VESSEL                  | Blood Vessel                 | A tubular structure through which the blood circulates in the body. Blood vessels constitute a network composed of arteries, arterioles, capillaries, venules, and veins. (NCI)   | Blood Vessel                  |
| C13041     | BODY                          | Body                         | The entire physical structure of an organism. It is composed of anatomic systems, regions, cavities, and spaces. (NCI)  | Body                          |
| C12258     | BODY OF STOMACH               | Body of Stomach              | The main section of the digestive tube that connects the esophagus to the small intestine. The body proper excludes the upper and lower sections of the fundus and pyloric portion respectively. (NCI)  | Body of Stomach               |
| C12366     | BONE                          | Bone                         | Calcified connective tissue that forms the skeletal components of the body. (NCI)   | Bone                          |



| C74456 LOC |                         |                       |   |                         |
|------------|-------------------------|-----------------------|---|-------------------------|
| NCI Code   | CDISC Submission Value  | CDISC Synonym         | CDISC Definition  | NCI Preferred Term      |
| C12431     | BONE MARROW             | Bone Marrow           | The tissue occupying the spaces of bone. It consists of blood vessel sinuses and a network of hematopoietic cells which give rise to the red cells, white cells, and megakaryocytes. (NCI)              | Bone Marrow             |
| C12681     | BRACHIAL ARTERY         | Brachial Artery       | An artery originating at the axillary artery and branching into the radial and ulnar arteries. (NCI)  | Brachial Artery         |
| C92221     | BRACHIAL LYMPH NODE     |                       | An axillary lymph node along the brachial vein. (NCI)   | Brachial Lymph Node     |
| C12682     | BRACHIAL PLEXUS         | Brachial Plexus       | A nerve network originating from C5 to T1 that supplies cutaneous and muscular innervation to the arm and hand. (NCI)   | Brachial Plexus         |
| C12439     | BRAIN                   | Nervous System, Brain | An organ composed of grey and white matter that is the center for intelligence and reasoning. It is protected by the bony cranium.  | Brain                   |
| C12441     | BRAIN STEM              | Brain Stem            | The part of the brain that connects the cerebral hemispheres with the spinal cord. It consists of the mesencephalon, pons, and medulla oblongata. (NCI)   | Brain Stem              |
| C12356     | BRAIN VENTRICLE         | Brain Ventricle       | The four connected cavities (hollow spaces) centrally located within the brain that connect posteriorly with the central canal of the spinal cord. (NCI)  | Brain Ventricle         |
| C12971     | BREAST                  | Breast                | One of two hemispheric projections of variable size situated in the subcutaneous layer over the pectoralis major muscle on either side of the chest. (NCI)  | Breast                  |
| C12683     | BRONCHUS                | Bronchi;Bronchus      | Tubular structure in continuation with the trachea, serving as air passage. It terminates in the lung (terminal bronchiole). (NCI)  | Bronchus                |
| C89806     | BUTTOCK                 | Buttock               | Either of the fleshy mounds in the rear pelvic area of the human body formed by the gluteal muscles.  | Buttock                 |
| C32239     | C1 VERTEBRA             | C1 Vertebra           | The first of the seven cervical vertebrae. (NCI)  | C1 Vertebra             |
| C32240     | C2 VERTEBRA             | C2 Vertebra           | The second of the seven cervical vertebrae. (NCI)   | C2 Vertebra             |
| C32241     | C3 VERTEBRA             | C3 Vertebra           | The third of the seven cervical vertebrae. (NCI)  | C3 Vertebra             |
| C32242     | C4 VERTEBRA             | C4 Vertebra           | The fourth of the seven cervical vertebrae. (NCI)   | C4 Vertebra             |
| C32243     | C5 VERTEBRA             | C5 Vertebra           | The fifth of the seven cervical vertebrae. (NCI)  | C5 Vertebra             |
| C32244     | C6 VERTEBRA             | C6 Vertebra           | The sixth of the seven cervical vertebrae. (NCI)  | C6 Vertebra             |
| C32245     | C7 VERTEBRA             | C7 Vertebra           | The seventh of the seven cervical vertebrae. (NCI)  | C7 Vertebra             |
| C32252     | CALCARINE SULCUS        |                       | A cerebral fissure that originates near the occipital lobe and terminates below the corpus callosum. (NCI)  | Calcarine Sulcus        |
| C93027     | CALF                    |                       | The posterior aspect of the lower extremity that extends from the knee to the foot. (NCI)   | Calf                    |
| C32258     | CANINE TOOTH            | Canine Tooth          | A single-cusped (pointed) and usually single-rooted tooth located between the incisors and premolars. (NCI)   | Canine Tooth            |
| C12856     | CAPITATE BONE           | Capitate Bone         | The largest of eight carpal bones, located in the center of the hand. (NCI)   | Capitate Bone           |
| C12687     | CAROTID ARTERY          | Carotid Artery        | One of two arteries that supply oxygenated blood to the head and neck; the left common carotid branches from the aorta and the right common carotid from the innominate (brachiocephalic artery). (NCI) | Carotid Artery          |
| C12688     | CARPAL BONE             |                       | Any of the small bones of the wrist joint, located between the radius and the ulna and the metacarpus. (NCI)  | Carpal Bone             |
| C103912    | CARPOMETACARPAL JOINT 1 | CMC1                  | A saddle-shaped synovial joint between the metacarpal of the thumb and the trapezium. (NCI)   | Carpometacarpal Joint 1 |
| C103913    | CARPOMETACARPAL JOINT 2 | CMC2                  | A plane joint primarily between the second metacarpal and the trapezoid, which also connects with the trapezium and capitate. (NCI)   | Carpometacarpal Joint 2 |
| C103914    | CARPOMETACARPAL JOINT 3 | CMC3                  | A plane joint between the third metacarpal and the capitate. (NCI)  | Carpometacarpal Joint 3 |

| C74456 LOC |   |   |   |   |
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| NCI Code   | CDISC Submission Value                          | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                              |
| C103915    | CARPOMETACARPAL JOINT 4                         | CMC4  | A plane joint between the fourth metacarpal and the hamate. (NCI)   | Carpometacarpal Joint 4                         |
| C103916    | CARPOMETACARPAL JOINT 5                         | CMC5  | A plane joint between the fifth metacarpal and the pisiform. (NCI)  | Carpometacarpal Joint 5                         |
| C12451     | CAUDATE NUCLEUS                                 |   | An elongated gray mass of the neostriatum located adjacent to the lateral ventricle of the brain. (MeSH)  | Caudate Nucleus                                 |
| C12381     | CECUM   | Cecal;Cecum   | A blind pouch-like commencement of the colon in the right lower quadrant of the abdomen at the end of the small intestine and the start of the large intestine. (OMD)   | Cecum   |
| C65166     | CELIAC LYMPH NODE                               | Celiac Axis Lymph Node;Celiac Lymph Node                        | A lymph node at the base of the celiac artery. (NCI)  | Celiac Lymph Node                               |
| C12438     | CENTRAL NERVOUS SYSTEM                          |   | The part of the nervous system that consists of the brain, spinal cord, and meninges. (NCI)   | Central Nervous System                          |
| C32286     | CEPHALIC VEIN                                   | Cephalic Vein;Vena Cephalica                                    | One of five superficial veins of the upper extremity, beginning at the radial aspect of the wrist area, wrapping around the forearm and emptying into the axillary vein. (NCI)  | Cephalic Vein                                   |
| C12445     | CEREBELLUM                                      |   | The portion of the brain located at the base of the skull that is responsible for balance, equilibrium and movement. (NCI)  | Cerebellum                                      |
| C12443     | CEREBRAL CORTEX                                 | Cerebral Cortex   | The outer layer of the cerebrum composed of neurons and unmyelinated nerve fibers. It is responsible for memory, attention, consciousness and other higher levels of mental function.   | Cerebral Cortex                                 |
| C32955     | CEREBRAL HEMISPHERE, LEFT                       |   | The left half of the cerebrum.  | Left Cerebral Hemisphere                        |
| C33472     | CEREBRAL HEMISPHERE, RIGHT                      |   | The right half of the cerebrum.   | Right Cerebral Hemisphere                       |
| C98712     | CEREBRAL SUBCORTEX                              | Cerebral Subcortex  | The layer located below the cerebral cortex that includes the forebrain, midbrain and hindbrain. (NCI)  | Cerebral Subcortex                              |
| C12351     | CEREBRUM  | Cerebral Hemisphere   | One half of the cerebrum, the part of the brain that controls muscle functions and also controls speech, thought, emotions, reading, writing, and learning. The right hemisphere controls the muscles on the left side of the body, and the left hemisphere controls the muscles on the right side of the body. (NCI) | Cerebral Hemisphere                             |
| C32298     | CERVICAL LYMPH NODE                             | Cervical Lymph Node   | Any of the lymph nodes located in the neck. (NCI)   | Cervical Lymph Node                             |
| C12693     | CERVICAL VERTEBRA                               |   | Any one of the vertebrae situated between the skull and the thoracic vertebrae.   | Cervical Vertebra                               |
| C12311     | CERVIX UTERI                                    | Cervix Uteri;Uterine Cervix                                     | The lower part of the uterus occupying the region between the isthmus of the uterus and the vagina. It is divided into supravaginal and vaginal portions. (NCI)   | Cervix Uteri                                    |
| C13070     | CHEEK   |   | The fleshy part of the face bounded by the eyes, nose, ear, and jaw line. (NCI)   | Cheek   |
| C25389     | CHEST   | Chest   | The anterior side of the thorax from the neck to the abdomen. The shape of the chest is often regarded as potential insight into a disease process, as in the case of barrel chest and respiratory dysfunction. (NCI)   | Chest   |
| C62484     | CHEST WALL                                      | Chest Wall  | The total system of structures outside the lungs that move as a part of breathing; it includes all structures from the skin to the parietal pleura. (NCI)   | Chest Wall                                      |
| C12344     | CHOROID   |   | A blood vessel-containing membrane of the eye that lies between the retina and the sclera. (NCI)  | Choroid   |
| C12694     | CHOROID PLEXUS                                  | Choroid Plexus  | Blood vessels forming villous structures in the third, fourth, and lateral ventricles of the brain. (NCI)   | Choroid Plexus                                  |
| C52713     | CINGULATE CORTEX                                |   | Part of the medial aspect of the cerebral cortex. (NCI)   | Cingulate Cortex                                |
| C102287    | CIRCUMFLEX ARTERY AV GROOVE CONTINUATION ARTERY | CIRC AV;CIRCUMFLEX ARTERY AV GROOVE CONTINUATION ARTERY SEGMENT | The segment of the left circumflex artery that is distal to the third marginal branch, located in the atrioventricular groove.  | Circumflex Artery AV Groove Continuation Artery |

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| NCI Code   | CDISC Submission Value  | CDISC Synonym      | CDISC Definition   | NCI Preferred Term                 |
| C102286    | CIRCUMFLEX, OBTUSE MARGINALS, LEFT POSTEROLETERAL AND LEFT POSTERIOR DESCENDING ARTERY BRANCHES |                    | The left circumflex coronary artery and all of its branches.   | Circumflex Artery and its Branches |
| C12695     | CLAVICLE  |                    | The paired bone that is situated between the sternum and the shoulder.   | Clavicle                           |
| C12308     | CLITORIS  |                    | The erectile tissue in the vulva. It is composed of the corpora cavernosa and the glans clitoris.  | Clitoris                           |
| C32334     | COCCYGEAL VERTEBRA  | Coccygeal Vertebra | Four vertebral segments positioned at the base of the spine that are fused. (NCI)  | Coccygeal Vertebra                 |
| C12696     | COCCYX  | Coccyx             | A small bone located at the bottom of the spine. The coccyx is a result of 3-5 fused rudimentary vertebrae. (NCI)  | Coccyx                             |
| C12382     | COLON   | Colon              | The part of the large intestine measured from the cecum to the rectum consisting of ascending, transverse, descending and sigmoid portions. The purpose of the colon is to remove water from digested food prior to excretion. (NCI)   | Colon                              |
| C12265     | COLON, ASCENDING  | Ascending Colon    | The first part of the colon (large intestine) that starts in the right lower quadrant of the abdomen and ends at the transverse colon in the right upper quadrant of the abdomen. (NCI)  | Ascending Colon                    |
| C12268     | COLON, DESCENDING   | Descending Colon   | The fourth portion of the large intestine (colon) that communicates with the transverse colon in the left-upper quadrant of the abdomen and the rectum below. (NCI)  | Descending Colon                   |
| C33929     | COLON, LEFT   | Left Colon         | The portion of the large intestine that includes the descending and sigmoid colon. (NCI)   | Left Colon                         |
| C103438    | COLON, RECTOSIGMOID   |                    | A portion of the large intestine that includes the descending colon, sigmoid colon and rectum.   | Rectosigmoid Colon                 |
| C12383     | COLON, RIGHT  | Right Colon        | The proximal segment of the large intestine that is located in the right side of the abdominal cavity. It includes the cecum (with the attached appendix) and the ascending colon. (NCI)   | Right Colon                        |
| C12384     | COLON, SIGMOID  | Sigmoid Colon      | The portion of the colon that connects to the descending colon above and the rectum below. (NCI)   | Sigmoid Colon                      |
| C12385     | COLON, TRANSVERSE   | Transverse Colon   | The third division of the colon (large intestine). It communicates with the ascending colon in the upper right-hand quadrant of the abdomen and the descending colon in the upper left-hand quadrant. (NCI)  | Transverse Colon                   |
| C32354     | COMMON FEMORAL ARTERY   |                    | An artery arising from the external iliac artery at the inguinal ligament which bifurcates forming the deep and superficial femoral arteries.  | Common Femoral Artery              |
| C32357     | COMMON ILIAC ARTERY   |                    | An artery arising from the bifurcation of the abdominal aorta which then bifurcates forming the internal and external iliac arteries.  | Common Iliac Artery                |
| C103384    | COMMON ILIAC LYMPH NODE   |                    | A lymph node located adjacent to the common iliac artery. (NCI)  | Common Iliac Lymph Node            |
| C12341     | CONJUNCTIVA   | Conjunctiva        | A thin, transparent tissue divided into the palpebral conjunctiva (covering the inner side of the eye lid) and the bulbar conjunctiva (covering the eyeball). (NCI)  | Conjunctiva                        |
| C12342     | CORNEA  | Cornea             | A dome-shaped, transparent, avascular tissue covering the front of the eye. It is composed of five layers: squamous epithelium, Bowman's membrane, stroma, Descemet's membrane, and endothelium. Refraction of light contributing to eye's focusing ability is its characteristic function. It contains unmyelinated nerve endings which are responsible for the high sensitivity of the tissue. (NCI) | Cornea                             |
| C12843     | CORONARY ARTERY   | Coronary Artery    | A principal artery that originates in the aorta. It supplies blood to the muscular tissue of the heart. (NCI)  | Coronary Artery                    |

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| NCI Code   | CDISC Submission Value                     | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                         |
| C32089     | CORONARY ARTERY, ANTERIOR DESCENDING       | Anterior Descending Coronary Artery; Left Anterior Descending Coronary Artery          | A left coronary artery branch that descends on the anterior portion of the heart through the anterior interventricular groove. (NCI)   | Anterior Descending Coronary Artery        |
| C12872     | CORONARY ARTERY, LEFT                      | LM; Left Coronary Artery; Left Main Coronary Artery; Left Main Coronary Artery Segment | A coronary artery that arises from the aorta and bifurcates into the left anterior descending artery and the left circumflex artery. (NCI)   | Left Coronary Artery                       |
| C12875     | CORONARY ARTERY, RIGHT                     | Right Coronary Artery  | A coronary artery that originates above the right coronary cusp and supplies blood predominantly to the right side of the heart. (NCI)   | Right Coronary Artery                      |
| C32378     | CORONARY SINUS                             |  | The coronary vein that terminates in the right atrium and transports deoxygenated blood from the coronary circulation.   | Coronary Sinus                             |
| C12882     | CORONARY VEIN                              |  | A blood vessel in the heart which returns coronary blood to the right atrium.  | Coronary Vein                              |
| C12446     | CORPUS CALLOSUM                            |  | A white matter structure within the cleft that separates the left and right cerebral hemispheres in the mammalian brain. It is composed of a wide, flat bundle of 200-250 million axonal projections. (NCI)  | Corpus Callosum                            |
| C26465     | CORPUS LUTEUM                              | Corpus Luteum  | A group of cells that remain of the Graafian follicle following ovulation. This structure is composed of endocrine tissue and produces progesterone. This is needed to prepare the uterine lining for implantation by the fertilized egg. (NCI)  | Corpus Luteum                              |
| C12448     | CORPUS STRIATUM                            |  | The portion of the brain consisting of the neostriatum and globus pallidus.  | Corpus Striatum                            |
| C32391     | COSTAL CARTILAGE                           | Costal Cartilage   | The cartilage positioned between the anterior end of the rib and the sternum. Its elasticity allows the ribcage to expand while breathing. (NCI)   | Costal Cartilage                           |
| C102288    | COSTOCHONDRAL JOINT 1                      |  | The first hyaline cartilaginous joint between the ribs and costal cartilage.   | Costochondral Joint 1                      |
| C102289    | COSTOCHONDRAL JOINT 7                      |  | The seventh hyaline cartilaginous joint between the ribs and costal cartilage.   | Costochondral Joint 7                      |
| C77638     | CRANIAL CAVITY                             |  | The atrium that is formed by the bones of the skull, and contains the brain.   | Cranial Cavity                             |
| C12700     | CRANIAL NERVE                              |  | Any of the 12 paired nerves that originate in the brain stem. (NCI)  | Cranial Nerve                              |
| C32414     | CUBOID BONE                                | Cuboid Bone  | A bone on the lateral side of the tarsus between the calcaneus and the fourth and fifth metatarsal bones. (NCI)  | Cuboid Bone                                |
| C32446     | DELTOID MUSCLE                             |  | The muscle that creates the rounded contour of the shoulder which originates from the lateral third of the clavicle, the superior surface of the acromion process, and the posterior border of the spine of the scapula and inserts on the lateral side of the shaft of the humerus. (NCI) | Deltoid                                    |
| C12702     | DIAPHRAGM                                  |  | Fibromuscular tissue that separates the thoracic from the abdominal cavity. It increases the volume of the thoracic cavity through contractions, thus facilitating respiration.  | Diaphragm                                  |
| C102290    | DISTAL CIRCUMFLEX ARTERY                   | DCIRC; DISTAL CIRCUMFLEX ARTERY SEGMENT  | The segment of the left circumflex artery that is between the second and third obtuse marginal branches.   | Distal Circumflex Artery                   |
| C102291    | DISTAL INTERPHALANGEAL JOINT 2             | DIP2   | A condyloid synovial joint within the second digit of the hand or foot connecting the middle and distal phalanges. (NCI)   | Distal Interphalangeal Joint 2             |
| C114198    | DISTAL INTERPHALANGEAL JOINT 2 OF THE FOOT | DIP2 of the Foot   | A ginglymoid (hinge) synovial joint within the second digit of the foot connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 2 of the Foot |
| C114188    | DISTAL INTERPHALANGEAL JOINT 2 OF THE HAND | DIP2 of the Hand   | A ginglymoid (hinge) synovial joint within the second digit of the hand connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 2 of the Hand |

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| NCI Code   | CDISC Submission Value                     | CDISC Synonym                                     | CDISC Definition  | NCI Preferred Term                         |
| C102292    | DISTAL INTERPHALANGEAL JOINT 3             | DIP3  | A condyloid synovial joint within the third digit of the hand or foot connecting the middle and distal phalanges. (NCI)   | Distal Interphalangeal Joint 3             |
| C114199    | DISTAL INTERPHALANGEAL JOINT 3 OF THE FOOT | DIP3 of the Foot                                  | A ginglymoid (hinge) synovial joint within the third digit of the foot connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 3 of the Foot |
| C114189    | DISTAL INTERPHALANGEAL JOINT 3 OF THE HAND | DIP3 of the Hand                                  | A ginglymoid (hinge) synovial joint within the third digit of the hand connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 3 of the Hand |
| C102293    | DISTAL INTERPHALANGEAL JOINT 4             | DIP4  | A condyloid synovial joint within the fourth digit of the hand or foot connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 4             |
| C114275    | DISTAL INTERPHALANGEAL JOINT 4 OF THE FOOT | DIP4 of the Foot                                  | A ginglymoid (hinge) synovial joint within the fourth digit of the foot connecting the middle and distal phalanges. (NCI)   | Distal Interphalangeal Joint 4 of the Foot |
| C114273    | DISTAL INTERPHALANGEAL JOINT 4 OF THE HAND | DIP4 of the Hand                                  | A ginglymoid (hinge) synovial joint within the fourth digit of the hand connecting the middle and distal phalanges. (NCI)   | Distal Interphalangeal Joint 4 of the Hand |
| C102294    | DISTAL INTERPHALANGEAL JOINT 5             | DIP5  | A condyloid synovial joint within the fifth digit of the hand or foot connecting the middle and distal phalanges. (NCI)   | Distal Interphalangeal Joint 5             |
| C114276    | DISTAL INTERPHALANGEAL JOINT 5 OF THE FOOT | DIP5 of the Foot                                  | A ginglymoid (hinge) synovial joint within the fifth digit of the foot connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 5 of the Foot |
| C114274    | DISTAL INTERPHALANGEAL JOINT 5 OF THE HAND | DIP5 of the Hand                                  | A ginglymoid (hinge) synovial joint within the fifth digit of the hand connecting the middle and distal phalanges. (NCI)  | Distal Interphalangeal Joint 5 of the Hand |
| C102295    | DISTAL LAD ARTERY                          | DISTAL LAD ARTERY SEGMENT;DLAD                    | The segment of the left anterior descending (LAD) artery that is distal to the third diagonal branch.   | Distal Left Anterior Descending Artery     |
| C102296    | DISTAL RIGHT CORONARY ARTERY CONDUIT       | DISTAL RIGHT CORONARY ARTERY CONDUIT SEGMENT;DRCA | The section of the right coronary artery distal to the origin of the acute marginal artery.   | Distal Right Coronary Artery Conduit       |
| C12934     | DORSAL MOTOR NUCLEUS                       |   | A brain nucleus located in the medulla oblongata. (NCI)   | Dorsal Motor Nucleus                       |
| C32478     | DORSALIS PEDIS ARTERY                      | Dorsalis Pedis Artery                             | An artery of the dorsal surface of the foot, originating from the anterior tibial artery of the lower leg. The following arterial branches originate from the dorsalis pedis artery: the arcuate artery of the foot and deep plantar artery. (NCI)  | Dorsalis Pedis Artery                      |
| C12263     | DUODENUM                                   |   | A jointed tube 25-30 cm long that connects the stomach to the jejunum. (NCI)  | Duodenum                                   |
| C102627    | DURAL VENOUS SINUS                         |   | Venous channels within the dura mater of the brain which receives both blood from blood vessels within the brain as well as cerebrospinal fluid then drains into the internal jugular vein. Unlike other blood vessels, dural venous sinuses lack valves and other vessel associated layers.  | Dural Venous Sinus                         |
| C12394     | EAR  | Ear   | A sense organ needed for the detection of sound and for establishing balance. The outer ear consists of the auricle, the ear canal as well as the tympanic membrane. The middle ear is made up of an air-filled cavity behind the tympanic membrane that contains the ossicles (malleus, incus and stapes). The inner ear is made up of the cochlea needed for hearing and the vestibular apparatus required for balance. (NCI) | Ear  |
| C12499     | EAR, INNER                                 | Cochlea;Internal Ear;Labyrinth                    | The portion of the ear located within the temporal bone that is involved in both hearing and balance and includes the semicircular canals, vestibule, and cochlea. (from American Heritage Dictionary online)   | Inner Ear                                  |
| C12292     | EAR, OUTER                                 | Auricle;External Ear                              | The external part of the ear. (NCI)   | External Ear                               |
| C32497     | ELBOW JOINT                                | Elbow Joint                                       | A joint involving the humerus, radius and ulna bones.   | Elbow Joint                                |
| C13004     | ENDOCARDIUM                                |   | The layer of endothelial cells and connective tissue lining the chambers of the heart. (NCI)  | Endocardium                                |

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| NCI Code   | CDISC Submission Value    | CDISC Synonym                 | CDISC Definition  | NCI Preferred Term            |
| C12309     | ENDOCERVIX                |                               | The portion of the cervix which is lined by single columnar epithelium (mucosa). (NCI)  | Endocervix                    |
| C32514     | ENDOMETRIAL CAVITY        | Endometrial Cavity            | A space inside the uterus lined by a layer of mucus membranes called the endometrium. (NCI)   | Endometrial Cavity            |
| C97338     | ENTORHINAL CORTEX         |                               | A brain region in the medial temporal lobe near the hippocampus. (NCI)  | Entorhinal Cortex             |
| C13164     | EPICARDIUM                |                               | The outer membranous connective tissue layer of the heart tissue. (NCI)   | Epicardium                    |
| C69300     | EPICONDYLE                | Epicondyle                    | A bone prominence to which ligaments and tendons of the joints are attached. (NCI)  | Epicondyle                    |
| C12328     | EPIDIDYMIS                |                               | A crescent-like structure located in the upper and posterior surfaces of the testis. It consists of the efferent ductules and the duct of the epididymis. It facilitates the maturation of sperm that is produced in the testis. (NCI)  | Epididymis                    |
| C12709     | EPIGLOTTIS                | Epiglottis                    | A small cartilaginous flap-like valve that closes over the larynx during swallowing to prevent food entering the lungs. (NCI)   | Epiglottis                    |
| C98182     | EPITROCHLEAR LYMPH NODE   |                               | A lymph node located above and adjacent to the elbow. (NCI)   | Epitrochlear Lymph Node       |
| C12389     | ESOPHAGUS                 |                               | The portion of the digestive tract between the pharynx and stomach.   | Esophagus                     |
| C12252     | ESOPHAGUS, ABDOMINAL      | Abdominal Esophagus           | Clinical esophageal segment composed of smooth muscle. It corresponds to the inferior part of the lower third topographic segment of the esophagus. (NCI)   | Abdominal Esophagus           |
| C12250     | ESOPHAGUS, CERVICAL       | Cervical Esophagus            | Clinical esophageal segment composed of skeletal muscle. It corresponds to the superior part of the upper third topographic segment of the esophagus. (NCI)   | Cervical Esophagus            |
| C12255     | ESOPHAGUS, LOWER THIRD    | Lower Third of the Esophagus  | The lower one third of the esophagus in which the muscle layer is composed of muscle cells predominantly of the smooth type. (NCI)  | Lower Third of the Esophagus  |
| C12254     | ESOPHAGUS, MIDDLE THIRD   | Middle Third of the Esophagus | The middle one third of the esophagus in which the muscle layer is composed of muscle cells of the striated and smooth types.   | Middle Third of the Esophagus |
| C12251     | ESOPHAGUS, THORACIC       | Thoracic Esophagus            | Clinical esophageal segment composed of smooth muscle. It includes the middle third topographic segment, as well as parts of the upper and lower thirds. (NCI)  | Thoracic Esophagus            |
| C12253     | ESOPHAGUS, UPPER THIRD    | Upper Third of the Esophagus  | The upper one third of esophagus in which the muscle layer is composed of muscle cells of the striated type. (NCI)  | Upper Third of the Esophagus  |
| C12711     | ETHMOID BONE              | Ethmoid Bone                  | A light and spongy bone that is cubical in shape. This bone is positioned at the anterior part of the cranium, sitting between the two orbits, at the roof of the nose. It consists of four parts: a horizontal or cribriform plate; a perpendicular plate; and two lateral masses or labyrinths. (NCI) | Ethmoid Bone                  |
| C12276     | ETHMOID SINUS             | Ethmoid Sinus                 | A sinus of the meatuses of the nasal cavity. (NCI)  | Ethmoid Sinus                 |
| C32558     | EXTERNAL ILIAC ARTERY     |                               | An artery arising from the bifurcation of the common iliac artery in the lower torso. The external iliac artery becomes the femoral artery and is the main blood supply for the leg.  | External Iliac Artery         |
| C88143     | EXTERNAL ILIAC LYMPH NODE |                               | A lymph node located along the external iliac artery. (NCI)   | External Iliac Lymph Node     |
| C32573     | EXTRAHEPATIC BILE DUCT    |                               | The portion of the biliary tract outside the liver; the common hepatic duct joins the cystic duct to form the common bile duct. (NCI)   | Extrahepatic Bile Duct        |
| C12401     | EYE                       | Eye;Eyeball                   | The organ of sight or vision. (NCI)   | Eye                           |

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| NCI Code   | CDISC Submission Value             | CDISC Synonym         | CDISC Definition   | NCI Preferred Term             |
| C12667     | EYE, ANTERIOR CHAMBER              |                       | The space in the eye, filled with aqueous humor, bounded anteriorly by the cornea and a small portion of the sclera and posteriorly by a small portion of the ciliary body, the iris, and that part of the crystalline lens which presents through the pupil. (Cline et al., Dictionary of Visual Science, 4th ed, p109) (NCI)   | Anterior Chamber of the Eye    |
| C33885     | EYE, VITREOUS CHAMBER              | Postremal Chamber     | The largest space within the eye which is bounded by the lens and the retina and filled with the gelatinous vitreous humor. (NCI)  | Vitreous Chamber               |
| C32576     | EYELASH                            |                       | Anyone of the short hairs that grow on the edge of the eyelid. (NCI)   | Eyelash                        |
| C12713     | EYELID                             | Eyelid;Palpebra       | A thin membrane of skin with the purpose of covering and protecting an eye. (NCI)  | Eyelid                         |
| C13071     | FACE                               | Facial                | The portion of the head containing the eyes, nose and mouth, cheeks and jaws.  | Face                           |
| C32577     | FACET JOINT                        | Facet Joint           | A synovial joint between two adjacent vertebrae. The facet joint links the articular process of one vertebra and the inferior articular process of the adjacent vertebra. (NCI)  | Facet Joint                    |
| C63706     | FACIAL BONE                        | Facial Bone           | Any bone that contributes to the facial structures, except those bones that are part of the braincase. (NCI)   | Facial Bone                    |
| C12714     | FACIAL NERVE                       | Seventh Cranial Nerve | The 7th cranial nerve. The facial nerve has two parts, the larger motor root which may be called the facial nerve proper, and the smaller intermediate or sensory root. Together they provide efferent innervation to the muscles of facial expression and to the lacrimal and salivary glands, and convey afferent information for taste from the anterior two-thirds of the tongue and for touch from the external ear. (MeSH) | Facial Nerve                   |
| C12403     | FALLOPIAN TUBE                     | Fallopian Tube        | One of a pair of tubes that extend from the uterus to each of the ovaries. Following ovulation the egg travels down the fallopian tube to the uterus where fertilization may or may not occur. (NCI)   | Fallopian Tube                 |
| C13108     | FASCIA                             |                       | A sheet or band of fibrous connective tissue enveloping, separating, or binding together muscles, organs and other soft structures of the body.  | Fascia                         |
| C61600     | FEMALE GENITALIA                   | Female Genitalia      | Female internal and external organs of reproduction.   | Female Genitalia               |
| C12402     | FEMALE REPRODUCTIVE SYSTEM         |                       | The sex organs of the female.  | Female Reproductive System     |
| C12715     | FEMORAL ARTERY                     | Femoral Artery        | An artery that starts within the inguinal region and extends to the lower extremities. (NCI)   | Femoral Artery                 |
| C114186    | FEMORAL CONDYLE                    |                       | The rounded bony projection at the distal end of the femur.  | Femoral Condyle                |
| C32718     | FEMORAL HEAD                       | Femur Head            | The highest portion of the femoral bone that articulates with the acetabulum. (NCI)  | Head of the Femur              |
| C98183     | FEMORAL LYMPH NODE                 |                       | A lymph node located in the upper inner portion of the thigh. (NCI)  | Femoral Lymph Node             |
| C61563     | FEMORAL NECK                       | Femoral Neck          | The short, constricted portion of the thigh bone between the femur head and the trochanter. (NCI)  | Femoral Neck                   |
| C12716     | FEMORAL VEIN                       | Femoral Vein          | A vein that starts within the inguinal region and extends to the lower extremities. (NCI)  | Femoral Vein                   |
| C116167    | FEMORO-POPLITEAL PERIPHERAL ARTERY |                       | The segment of the blood vessels that includes the popliteal artery and its origin from the femoral artery.  | Femoropopliteal Artery Segment |
| C12717     | FEMUR                              | Bone, Femoral;Femur   | The upper leg bone positioned between the pelvis and the knee. (NCI)   | Femur                          |
| C96209     | FEMUR SHAFT                        |                       | The cylindrical body of the femur. (NCI)   | Femoral Shaft                  |
| C12718     | FIBULA                             | Fibula                | The small, lateral calf bone extending from the knee to the ankle. (NCI)   | Fibula                         |
| C120670    | FIBULA SHAFT                       |                       | The elongated bony body of the fibula.   | Fibular Shaft                  |
| C32608     | FINGER                             | Finger                | Any of the digits of the hand. (NCI)   | Finger                         |

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| NCI Code   | CDISC Submission Value                  | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                      |
| C32609     | FINGERNAIL                              | Fingernail  | The nail at the end of a finger. (NCI)  | Fingernail                              |
| C102297    | FIRST DIAGONAL BRANCH ARTERY            | 1ST DIAG;FIRST DIAGONAL BRANCH ARTERY SEGMENT           | The first artery arising from the left anterior descending (LAD) artery that supplies the anterolateral wall, when counted from proximal to distal.   | First Diagonal Branch Artery            |
| C102298    | FIRST LEFT POSTEROLATERAL BRANCH ARTERY | 1ST LPL;FIRST LEFT POSTEROLATERAL BRANCH ARTERY SEGMENT | In an individual with a left-dominant heart, this is the first branch that arises from the circumflex artery atrioventricular groove continuation when counted from proximal to distal. It supplies the posterolateral wall.                          | First Left Posterolateral Branch Artery |
| C102299    | FIRST OBTUSE MARGINAL BRANCH ARTERY     | 1ST OM;FIRST OBTUSE MARGINAL BRANCH ARTERY SEGMENT      | The first artery arising from the left circumflex artery that supplies the lateral wall, when counted from proximal to distal.  | First Obtuse Marginal Branch Artery     |
| C102300    | FIRST RIGHT POSTEROLATERAL ARTERY       | 1ST RPL;FIRST RIGHT POSTEROLATERAL ARTERY SEGMENT       | In an individual with a right-dominant heart, this is the first branch that arises from the right coronary artery distal to the right posterior descending artery, when counted from proximal to distal.  | First Right Posterolateral Artery       |
| C54187     | FLOOR OF MOUTH                          |   | The area of the mouth under the ventral surface of the tongue.  | Floor of Mouth                          |
| C32622     | FOOT                                    | Feet;Foot   | The structure found below the ankle joint required for locomotion. (NCI)  | Foot                                    |
| C52839     | FOOT DIGIT 1                            | Big Toe   | The largest and most medial toe of the foot. (NCI)  | Foot Digit 1                            |
| C52840     | FOOT DIGIT 2                            | Index Toe   | The second toe from the medial side of the foot. (NCI)  | Foot Digit 2                            |
| C52841     | FOOT DIGIT 3                            | Middle Toe  | The middle or third toe from the medial side of the foot. (NCI)   | Foot Digit 3                            |
| C52842     | FOOT DIGIT 4                            | Fourth Toe  | The fourth toe from the medial side of the foot. (NCI)  | Foot Digit 4                            |
| C52843     | FOOT DIGIT 5                            | Little Toe  | The smallest and most lateral toe of the foot. (NCI)  | Foot Digit 5                            |
| C52772     | FOOT PHALANX                            | Foot Phalanx  | A bone of the foot. (NCI)   | Foot Phalanx                            |
| C32628     | FOREARM                                 | Forearm   | The structure on the upper limb, between the elbow and the wrist. (NCI)   | Forearm                                 |
| C40185     | FOREBRAIN                               |   | The largest part of the brain composed of the cerebral hemispheres, thalamus, hypothalamus, and the limbic system. (NCI)  | Forebrain                               |
| C89803     | FOREHEAD                                | Forehead  | The part of the face between the eyebrows and the normal hairline.  | Forehead                                |
| C12352     | FRONTAL LOBE                            | Frontal Lobe  | The part of the brain located anterior to the parietal lobes at the front of each cerebral hemisphere. (NCI)  | Frontal Lobe                            |
| C12277     | FRONTAL SINUS                           | Frontal Sinus   | The paired, mucosal lined air spaces located above the orbit and communicating with the nasal passages. (NCI)   | Frontal Sinus                           |
| C12257     | FUNDUS OF THE STOMACH                   | Fundus of the Stomach                                   | The portion of the stomach that lies above the cardiac notch. It allows for the accumulation of gases produced by chemical digestion. (NCI)   | Fundus of the Stomach                   |
| C12377     | GALLBLADDER                             | Gallbladder   | A pear-shaped organ located under the liver that stores and concentrates bile secreted by the liver. From the gallbladder the bile is delivered through the bile ducts into the intestine thereby aiding the digestion of fat-containing foods. (NCI) | Gallbladder                             |
| C12719     | GANGLION                                | Ganglia;Ganglion;Neural Ganglion                        | A cluster of nervous tissue principally composed of neuronal cell bodies external to the central nervous system (CNS). (NCI)  | Ganglion                                |
| C12256     | GASTRIC CARDIA                          | Gastric Cardia  | The area around the esophagogastric mucosal junction where the esophageal mucosa transitions into the gastric mucosa. (NCI)   | Gastric Cardia                          |
| C32668     | GASTROESOPHAGEAL JUNCTION               | Gastroesophageal Junction                               | The anatomical location where the esophagus joins to the stomach. (NCI)   | Gastroesophageal Junction               |
| C12378     | GASTROINTESTINAL SYSTEM                 | Gastrointestinal System                                 | The system that includes the esophagus, stomach, small and large intestine, anus, liver, biliary tract, and pancreas. (NCI)   | Digestive System                        |



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| NCI Code   | CDISC Submission Value           | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term               |
| C34082     | GASTROINTESTINAL TRACT           | Gastrointestinal Tract           | The upper gastrointestinal (GI) tract is comprised of mouth, pharynx, esophagus and stomach while the lower GI tract consists of intestines and anus. The primary function of the GI tract is to ingest, digest, absorb and ultimately excrete food stuff. (NCI)                | Gastrointestinal Tract           |
| C33010     | GASTROINTESTINAL TRACT, LOWER    | Lower Gastrointestinal Tract     | The lower part of the gastrointestinal tract that includes the jejunum and ileum of the small intestine and the large intestine. (NCI)  | Lower Gastrointestinal Tract     |
| C33837     | GASTROINTESTINAL TRACT, UPPER    | Upper Gastrointestinal Tract     | The upper part of the gastrointestinal tract that includes the esophagus, stomach, and duodenum. (NCI)  | Upper Gastrointestinal Tract     |
| C25177     | GENITALIA                        |                                  | The external sex organs. (NCI)  | Genitalia                        |
| C32677     | GINGIVA                          | Gingiva;Gum                      | The soft tissue surrounding the neck of individual teeth as well as covering the alveolar bone. The tissue is fibrous and continuous with the periodontal ligament and mucosal covering. (NCI)  | Gingiva                          |
| C32682     | GLENOID FOSSA                    | Glenoid Fossa                    | The trough in the head of the scapula that receives the head of the humerus to form the shoulder joint. (NCI)   | Glenoid Fossa                    |
| C13250     | GLOMERULUS                       |                                  | A cluster of convoluted capillaries beginning at each nephric tubule in the kidney and held together by connective tissue.  | Glomerulus                       |
| C12723     | GLOSSOPHARYNGEAL NERVE           |                                  | The ninth cranial nerve.  | Glossopharyngeal Nerve           |
| C12724     | GLOTTIS                          | Glottis                          | The space in which the vocal cords are located. (NCI)   | Glottis                          |
| C52560     | GLUTEUS MAXIMUS                  |                                  | The outermost and largest muscle of the buttocks. (NCI)   | Gluteus Maximus                  |
| C32698     | GREAT TROCHANTER                 | Great Trochanter                 | A large, irregular, quadrilateral area of bone found at the neck of the femur. (NCI)  | Great Trochanter                 |
| C12262     | GREATER CURVATURE OF THE STOMACH | Greater Curvature of the Stomach | The lateral and inferior border of the stomach. Attached to it is the greater omentum. (NCI)  | Greater Curvature of the Stomach |
| C32705     | HAIR                             | Hair                             | The filamentous outgrowth of the epidermis. (NCI)   | Hair                             |
| C32706     | HAIR BULB                        |                                  | The lower segment of the hair that circles the dermal papilla and the hair matrix. (NCI)  | Hair Bulb                        |
| C13317     | HAIR FOLLICLE                    |                                  | A tube-like invagination of the epidermis from which the hair shaft develops and into which the sebaceous glands open; the follicle is lined by a cellular inner and outer root sheath of epidermal origin and is invested with a fibrous sheath derived from the dermis. (NCI) | Hair Follicle                    |
| C32711     | HAIR ROOT                        |                                  | The portion of the hair that is enclosed within the hair follicle. (NCI)  | Hair Root                        |
| C33543     | HAIR SHAFT                       | Shaft of the Hair                | The segment of the hair that projects above the skin surface. (NCI)   | Shaft of the Hair                |
| C12860     | HAMATE BONE                      | Hamate Bone                      | The medial bone in the distal row of carpal bones. (NCI)  | Hamate Bone                      |
| C32712     | HAND                             | Hand                             | The distal portion of the upper extremity. It consists of the carpus, metacarpus, and digits. (NCI)   | Hand                             |
| C52834     | HAND DIGIT 1                     | Thumb                            | The thick and short hand digit which is next to the index finger in humans. (NCI)   | Hand Digit 1                     |
| C52835     | HAND DIGIT 2                     | Index Finger                     | The second finger from the radial side of the hand, next to the thumb. (NCI)  | Hand Digit 2                     |
| C52836     | HAND DIGIT 3                     | Middle Finger                    | The middle or third finger from the radial side of the hand. (NCI)  | Hand Digit 3                     |
| C52837     | HAND DIGIT 4                     | Ring Finger                      | The fourth finger from the radial side of the hand. (NCI)   | Hand Digit 4                     |
| C52838     | HAND DIGIT 5                     | Little Finger                    | The fifth and smallest finger from the radial side of the hand. (NCI)   | Hand Digit 5                     |
| C52771     | HAND PHALANX                     | Hand Phalanx                     | A bone of the hand. (NCI)   | Hand Phalanx                     |
| C12230     | HARD PALATE                      | Hard Palate                      | The bony anterior part of the roof of the mouth separating the nose from the mouth. (NCI)   | Hard Palate                      |

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| NCI Code   | CDISC Submission Value                 | CDISC Synonym       | CDISC Definition   | NCI Preferred Term              |
| C12419     | HEAD                                   | Head                | The anterior and superior part of a human or animal bearing the mouth, the brain and sensory organs.   | Head                            |
| C12418     | HEAD AND NECK                          |                     | The area of the body comprising the skull, facial bones and the cervical vertebrae, sinuses, orbits, salivary glands, oral cavity, oropharynx, larynx, thyroid, facial and neck musculature, soft tissue and lymph nodes draining these areas.   | Head and Neck                   |
| C32720     | HEAD OF THE HUMERUS                    | Head of the Humerus | The upper rounded part of the humerus that fits into the glenoid cavity of the scapula. (NCI)  | Head of the Humerus             |
| C12727     | HEART                                  | Cardiac;Heart       | A hollow muscular organ which receives the blood from the veins and propels it into the arteries. It is divided by a musculomembranous septum into two halves -- right or venous and left or arterial -- each of which consists of a receiving chamber (atrium) and an ejecting chamber (ventricle). (NCI) | Heart                           |
| C32126     | HEART, APEX                            | Apex of the Heart   | The most outer superficial part of the heart which is situated on the left 5th intercostal space. (NCI)  | Apex of the Heart               |
| C12728     | HEART, ATRIUM                          | Cardiac Atrium      | The smaller chamber(s) of the heart that receives blood from the peripheral circulation and/or the lungs.  | Cardiac Atrium                  |
| C48589     | HEART, BASE                            | Base of the Heart   | The superior portion of the heart located opposite to the apical portion. It is formed mainly by the left atrium. (NCI)  | Base of the Heart               |
| C127643    | HEART, LEFT ATRIAL APPENDAGE           |                     | A small muscular pouch located in the wall of the left atrium.   | Left Atrial Appendage           |
| C12869     | HEART, LEFT ATRIUM                     |                     | The smaller chamber on the left side of the heart, which receives oxygenated blood from the pulmonary veins and pumps it through the left atrioventricular valve into the left ventricle.  | Left Atrium                     |
| C12871     | HEART, LEFT VENTRICLE                  | Left Ventricle      | The larger chamber on the left side of the heart, which receives oxygenated blood from the left atrium and pumps it through the aortic valve into the aorta.   | Left Ventricle                  |
| C127644    | HEART, LEFT VENTRICULAR OUTFLOW TRACT  |                     | The structure through which blood flows from the left ventricle into the aortic root.  | Left Ventricular Outflow Tract  |
| C127645    | HEART, LEFT VENTRICULAR WALL           |                     | The wall of the left ventricle, comprising anterior, inferior, lateral, apical, basal wall; and excluding the interventricular septum.   | Left Ventricular Wall           |
| C127646    | HEART, RIGHT ATRIAL APPENDAGE          |                     | A small muscular pouch located in the wall of the right atrium.  | Right Atrial Appendage          |
| C12868     | HEART, RIGHT ATRIUM                    |                     | The smaller chamber on the right side of the heart, which receives deoxygenated blood from the body and pumps it through the right atrioventricular valve into the right ventricle.  | Right Atrium                    |
| C12870     | HEART, RIGHT VENTRICLE                 | Right Ventricle     | The larger chamber on the right side of the heart, which receives deoxygenated blood from the right atrium and pumps it through the pulmonic valve into the pulmonary arteries.  | Right Ventricle                 |
| C127647    | HEART, RIGHT VENTRICULAR FREE WALL     |                     | The lateral segment of the right ventricular wall, excluding the anterior and inferior right ventricular wall.   | Right Ventricular Free Wall     |
| C127648    | HEART, RIGHT VENTRICULAR OUTFLOW TRACT |                     | The structure through which blood flows from the right ventricle into the pulmonary trunk.   | Right Ventricular Outflow Tract |
| C127649    | HEART, RIGHT VENTRICULAR WALL          |                     | The wall of the right ventricle, comprising anterior, inferior, and lateral walls; and excluding the interventricular septum.  | Right Ventricular Wall          |
| C49485     | HEART, SEPTUM                          | Cardiac Septum      | The tissue in the heart that separates the two atria (atrial septum) and the two ventricles (ventricular septum). (NCI)  | Heart Septum                    |
| C12730     | HEART, VENTRICLE                       | Cardiac Ventricle   | The larger chamber(s) of the heart that receives blood from an atrium and pushes it out of the heart into the peripheral circulation and/or the lungs.   | Cardiac Ventricle               |
| C119295    | HEART, VENTRICULAR WALL                |                     | The tissue layers that form the cardiac ventricle. They include myocardium, endocardium, and pericardium. (NCI)  | Ventricular Wall of the Heart   |

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| NCI Code   | CDISC Submission Value     | CDISC Synonym                                      | CDISC Definition   | NCI Preferred Term         |
| C32729     | HEPATIC ARTERY             |  | An artery arising from the celiac trunk that supplies the liver and branches to form the cystic, gastro-duodenalis and pyloric arteries.   | Hepatic Artery             |
| C77640     | HEPATIC LYMPH NODE         |  | Any of the lymph nodes adjacent to the stomach and duodenum. (NCI)   | Hepatic Lymph Node         |
| C25724     | HILAR                      | Hilar  | Refers to the area associated with the hilum. (NCI)  | Hilar                      |
| C98187     | HILAR LYMPH NODE           |  | A lymph node located in the hilum of the lung within the mediastinum.  | Pulmonary Hilar Lymph Node |
| C64193     | HIP                        | Hip  | The lateral prominence of the pelvis from the waist to the thigh. (NCI)  | Hip                        |
| C32742     | HIP JOINT                  | Coxofemoral Joint;Hip Joint                        | A ball-and-socket joint between the head of the femur and the acetabulum. (NCI)  | Hip Joint                  |
| C12444     | HIPPOCAMPUS                | Hippocampus  | A curved gray matter structure of the temporal lobe lying on the floor of the lateral ventricle of the brain. (NCI)  | Hippocampus                |
| C114187    | HUMERAL EPICONDYLE         |  | The bone prominence at the distal end of the humerus to which ligaments and tendons of the joints are attached.  | Humeral Epicondyle         |
| C12731     | HUMERUS                    | Bone, Humeral;Humerus                              | The upper arm bone between the shoulder and elbow. (NCI)   | Humerus                    |
| C120671    | HUMERUS SHAFT              |  | The cylindrical, elongated bony body of the humerus.   | Humeral Shaft              |
| C32752     | HYOID BONE                 | Hyoid Bone   | A U-shaped bone supporting the tongue. This bone is located at the base of the tongue and is suspended from the tips of the styloid processes of the temporal bones by the stylohyoid ligaments. (NCI) | Hyoid Bone                 |
| C12732     | HYPOGLOSSAL NERVE          |  | The twelfth cranial nerve.   | Hypoglossal Nerve          |
| C12246     | HYPOPHARYNX                | Hypopharynx  | The lower part of the pharynx that connects to the esophagus. (NCI)  | Hypopharynx                |
| C12458     | HYPOTHALAMUS               | Hypothalamus                                       | The supervisory center in the brain, rich in ganglia, nerve fibers, and synaptic connections. It is composed of several sections called nuclei, each of which controls a specific function.            | Hypothalamus               |
| C12387     | ILEUM                      | Ileum  | The final section of the small intestine. (NCI)  | Ileum                      |
| C33757     | ILEUM, TERMINAL            | Terminal Ileum                                     | The most distal section of the ileum that is continuous with the cecum. (NCI)  | Terminal Ileum             |
| C103818    | ILIAC CREST                |  | A predominate bone structure which borders the ilium wing stretching from the anterior superior iliac spine to the posterior superior iliac spine.   | Iliac Crest                |
| C103454    | ILIAC FOSSA                |  | The large smooth and concave surface of the ilium. (NCI)   | Iliac Fossa                |
| C32761     | ILIAC LYMPH NODE           | Iliac Lymph Node                                   | One of the three lymph nodes of the pelvis: the superior gluteal, inferior gluteal or sacral. (NCI)  | Iliac Lymph Node           |
| C32765     | ILIUM                      | Ilium  | The broad, dorsal, upper, and widest of the three principal bones composing either half of the pelvis. (NCI)   | Ilium                      |
| C32769     | INCISOR                    | Incisor  | One of the teeth in front of the canines in either jaw designed for cutting or gnawing. (NCI)  | Incisor                    |
| C32770     | INCUS                      | Incus  | One of the three bones comprising the middle ear. This anvil-shaped bone is positioned between the malleus and the stapes. (NCI)   | Incus                      |
| C12815     | INFERIOR VENA CAVA         |  | A large vein that returns blood from the lower half of the body to the heart.  | Inferior Vena Cava         |
| C63705     | INFRACLAVICULAR LYMPH NODE | Infracavicular Lymph Node;Subclavicular Lymph Node | A lymph node located in the area below the clavicle. (NCI)   | Infracavicular Lymph Node  |
| C116179    | INFRARENAL AORTA           |  | The portion of the abdominal aorta that lies below the kidneys.  | Infrarenal Aortic Segment  |
| C12509     | INFRATENTORIAL BRAIN       |  | The part of the brain below the tentorium cerebellum. (NCI)  | Infratentorial Brain       |

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| NCI Code   | CDISC Submission Value              | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                  |
| C32801     | INGUINAL LYMPH NODE                 | Inguinal Lymph Node  | A superficial or deep lymph node located in the inguinal area. (NCI)  | Inguinal Lymph Node                 |
| C12726     | INGUINAL REGION                     | Groin  | The lower region of the anterior abdominal wall located laterally to the pubic region. (NCI)  | Inguinal Region                     |
| C32845     | INTERNAL ILIAC ARTERY               |  | A short thick blood vessel arising from the bifurcation of the common iliac artery with numerous branches that supply the organs, walls and viscera of the pelvis as well as the inner thigh. | Internal Iliac Artery               |
| C88142     | INTERNAL ILIAC LYMPH NODE           |  | A lymph node located along the internal iliac artery. (NCI)   | Internal Iliac Lymph Node           |
| C52941     | INTERNAL MAMMARY ARTERY             |  | The blood vessel that supplies the breast and the anterior chest wall with arterial blood. It is located in the chest wall. (NCI)   | Internal Mammary Artery             |
| C32853     | INTERNAL MAMMARY LYMPH NODE         |  | Any of the lymph nodes of the breast located under the ribcage, near the sternum. (NCI)   | Internal Mammary Lymph Node         |
| C102301    | INTERPHALANGEAL JOINT 1             | IP1  | A ginglymoid (hinge) synovial joint within the first digit of the hand or foot connecting the proximal and distal phalanges. (NCI)  | Interphalangeal Joint 1             |
| C114200    | INTERPHALANGEAL JOINT 1 OF THE FOOT | IP1 of the Foot  | A ginglymoid (hinge) synovial joint within the first digit of the foot connecting the proximal and distal phalanges. (NCI)  | Interphalangeal Joint 1 of the Foot |
| C102302    | INTERPHALANGEAL JOINT 2             | IP2  | A ginglymoid (hinge) synovial joint between the phalanges of the second digit of the hand or foot. (NCI)  | Interphalangeal Joint 2             |
| C114201    | INTERPHALANGEAL JOINT 2 OF THE FOOT | IP2 of the Foot  | A ginglymoid (hinge) synovial joint between the phalanges of the second digit of the foot. (NCI)  | Interphalangeal Joint 2 of the Foot |
| C114190    | INTERPHALANGEAL JOINT 2 OF THE HAND | IP2 of the Hand  | A ginglymoid (hinge) synovial joint between the phalanges of the second digit of the hand. (NCI)  | Interphalangeal Joint 2 of the Hand |
| C102303    | INTERPHALANGEAL JOINT 3             | IP3  | A ginglymoid (hinge) synovial joint between the phalanges of the third digit of the hand or foot. (NCI)   | Interphalangeal Joint 3             |
| C114202    | INTERPHALANGEAL JOINT 3 OF THE FOOT | IP3 of the Foot  | A ginglymoid (hinge) synovial joint between the phalanges of the third digit of the foot. (NCI)   | Interphalangeal Joint 3 of the Foot |
| C114191    | INTERPHALANGEAL JOINT 3 OF THE HAND | IP3 of the Hand  | A ginglymoid (hinge) synovial joint between the phalanges of the third digit of the hand. (NCI)   | Interphalangeal Joint 3 of the Hand |
| C102304    | INTERPHALANGEAL JOINT 4             | IP4  | A ginglymoid (hinge) synovial joint between the phalanges of the fourth digit of the hand or foot. (NCI)  | Interphalangeal Joint 4             |
| C114203    | INTERPHALANGEAL JOINT 4 OF THE FOOT | IP4 of the Foot  | A ginglymoid (hinge) synovial joint between the phalanges of the fourth digit of the foot. (NCI)  | Interphalangeal Joint 4 of the Foot |
| C114192    | INTERPHALANGEAL JOINT 4 OF THE HAND | IP4 of the Hand  | A ginglymoid (hinge) synovial joint between the phalanges of the fourth digit of the hand. (NCI)  | Interphalangeal Joint 4 of the Hand |
| C102305    | INTERPHALANGEAL JOINT 5             | IP5  | A ginglymoid (hinge) synovial joint between the phalanges of the fifth digit of the hand or foot. (NCI)   | Interphalangeal Joint 5             |
| C114204    | INTERPHALANGEAL JOINT 5 OF THE FOOT | IP5 of the Foot  | A ginglymoid (hinge) synovial joint between the phalanges of the fifth digit of the foot. (NCI)   | Interphalangeal Joint 5 of the Foot |
| C114193    | INTERPHALANGEAL JOINT 5 OF THE HAND | IP5 of the Hand  | A ginglymoid (hinge) synovial joint between the phalanges of the fifth digit of the hand. (NCI)   | Interphalangeal Joint 5 of the Hand |
| C32868     | INTERPHALANGEAL JOINT OF THE HAND   | Interphalangeal Joint of the Hand                            | The hinge synovial joints between the phalanges of the fingers. (NCI)   | Interphalangeal Joint of the Hand   |
| C32867     | INTERPHALANGEAL OF THE FOOT         | IP of the Foot   | The hinge synovial joints between the bones of the toes. (NCI)  | Interphalangeal Joint of the Foot   |
| C102306    | INTERPHALANGEAL THUMB JOINT         | IP THUMB;IP1 of the Hand;Interphalangeal Joint 1 of the Hand | A condyloid synovial joint within the thumb connecting the proximal and distal phalanges.   | Interphalangeal Thumb Joint         |
| C120672    | INTERTROCHANTERIC REGION            |  | The bony region in the proximal portion of the femur between the greater, lesser and sub- (also called the third) trochanters.  | Intertrochanteric Region            |
| C32874     | INTERVENTRICULAR SEPTUM             | Interventricular Septal Wall                                 | The wall that separates the left and right ventricles of the heart. (NCI)   | Interventricular Septum             |

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| NCI Code   | CDISC Submission Value     | CDISC Synonym            | CDISC Definition   | NCI Preferred Term         |
| C12736     | INTESTINE                  | Intestine                | The portion of the gastrointestinal tract between the stomach and the anus. It includes the small intestine and large intestine. (NCI)   | Intestine                  |
| C12677     | INTRAHEPATIC BILE DUCT     |                          | The bile ducts that pass through and drain bile from the liver. (NCI)  | Intrahepatic Bile Duct     |
| C12359     | INTRATHORACIC LYMPH NODE   |                          | Any lymph node within the thoracic cavity.   | Intrathoracic Lymph Node   |
| C12737     | IRIS                       |                          | The colored disc of the eye composed of connective tissue, epithelium, and endothelium. It separates the anterior chamber from the posterior chamber. (NCI)  | Iris                       |
| C105446    | ISCHIAL TUBEROSITY         |                          | The bony prominence of the lower part of the ischium. (NCI)  | Ischial Tuberosity         |
| C103455    | ISCHIORECTAL FOSSA         |                          | A tetrahedral region of adipose tissue located in the ischiorectal region with its base between the tuberosity of the ischium and the lower end of the rectum and its apex at the point where the obturator fascia and the Levator ani membrane divide.  | Ischiorectal Fossa         |
| C32884     | ISCHIUM                    | Ischium                  | The most posterior and ventral bone making up the pelvis. (NCI)  | Ischium                    |
| C12388     | JEJUNUM                    | Jejunum                  | The portion of the small intestine that extends from the duodenum to the ileum. (NCI)  | Jejunum                    |
| C13044     | JOINT                      | Articulation;Joint       | The connection point between two bones or skeletal elements. The joint may be fixed or movable. (NCI)  | Joint                      |
| C12738     | JUGULAR VEIN               | Vena Jugularis           | Veins in the neck which drain the brain, face, and neck into the brachiocephalic or subclavian veins. (NCI)  | Jugular Vein               |
| C12415     | KIDNEY                     | Kidney                   | One of the two bean-shaped organs located on each side of the spine in the retroperitoneum. The right kidney is located below the liver and the left kidney below the diaphragm. The kidneys filter and secrete the metabolic products and minerals from the blood, thus maintaining the homeostasis. On the superior pole of each kidney there is an adrenal gland. Each kidney and adrenal gland is surrounded by fat. (NCI) | Kidney                     |
| C12739     | KIDNEY, CORTEX             | Renal Cortex             | The outer zone of the KIDNEY, beneath the capsule, consisting of KIDNEY GLOMERULUS; KIDNEY TUBULES, DISTAL; and KIDNEY TUBULES, PROXIMAL. (MSH2001)  | Renal Cortex               |
| C32740     | KIDNEY, HILUM              | Hilar Area of the Kidney | The concave area of the kidney through which the renal artery enters and the renal vein and ureter exit the organ. (NCI)   | Hilar Area of the Kidney   |
| C93180     | KIDNEY, LOWER LOBE         | Lower Lobe of the Kidney | The lobe of the kidney located in the lowest portion of the kidney. (NCI)  | Lower Lobe of Kidney       |
| C12740     | KIDNEY, MEDULLA            | Renal Medulla            | The internal portion of the kidney, consisting of striated conical masses, the renal pyramids, whose bases are adjacent to the cortex and whose apices form prominent papillae projecting into the lumen of the minor calyces. (MSH2001)   | Renal Medulla              |
| C93179     | KIDNEY, UPPER LOBE         | Upper Lobe of the Kidney | The lobe of the kidney located in the uppermost region of the kidney. (NCI)  | Upper Lobe of Kidney       |
| C32898     | KNEE JOINT                 | Knee;Tibiofemoral Joint  | A joint connecting the lower part of the femur with the upper part of the tibia. The lower part of the femur and the upper part of the tibia are attached to each other by ligaments. Other structures of the knee joint include the upper part of the fibula, located below and parallel to the tibia, and the patella which moves as the knee bends. (NCI)   | Knee Joint                 |
| C32899     | L1 VERTEBRA                | L1 Vertebra              | The first lumbar vertebra counting from the top down. (NCI)  | L1 Vertebra                |
| C32900     | L2 VERTEBRA                | L2 Vertebra              | The second lumbar vertebra counting from the top down. (NCI)   | L2 Vertebra                |
| C112327    | L2-L3 INTERVERTEBRAL SPACE |                          | The space between the L2 and L3 vertebrae.   | L2-L3 Intervertebral Space |
| C32901     | L3 VERTEBRA                | L3 Vertebra              | The third lumbar vertebra counting from the top down. (NCI)  | L3 Vertebra                |

| C74456 LOC |  |   |  |   |
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| NCI Code   | CDISC Submission Value                       | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                |
| C112328    | L3-L4 INTERVERTEBRAL SPACE                   |   | The space between the L3 and L4 vertebrae.   | L3-L4 Intervertebral Space                        |
| C32902     | L4 VERTEBRA                                  | L4 Vertebra   | The fourth lumbar vertebra counting from the top down. (NCI)   | L4 Vertebra                                       |
| C32903     | L5 VERTEBRA                                  | L5 Vertebra   | The fifth lumbar vertebra counting from the top down. (NCI)  | L5 Vertebra                                       |
| C120673    | L6 VERTEBRA                                  |   | A congenital anomaly of the spine, where an extra or supernumerary lumbar vertebra arises from below the 5th lumbar vertebra.  | Extra Lumbar Vertebra                             |
| C32906     | LACRIMAL BONE                                | Lacrimal Bone   | A small rectangular thin plate forming part of the medial orbit wall. It is located posterior to the frontal process of the maxilla and articulates with the inferior nasal concha, ethmoid, frontal, and maxillary bones. (NCI) | Lacrimal Bone                                     |
| C12346     | LACRIMAL GLAND                               |   | Paired, almond-shaped exocrine glands situated superior and posterior to each orbit of the eye that produce and secrete the watery serous component of tears. (NCI)  | Lacrimal Gland                                    |
| C102313    | LAD SEPTAL PERFORATOR ARTERY                 | LAD SEPTAL PERFORATOR ARTERY SEGMENTS;LAD SP  | The arteries that arise from the left anterior descending (LAD) artery that supply the interventricular septum.  | Left Anterior Descending Septal Perforator Artery |
| C12379     | LARGE INTESTINE                              | Large Intestine   | A muscular tube that extends from the end of the small intestine to the anus. (NCI)  | Large Intestine                                   |
| C12420     | LARYNX                                       | Larynx  | The cartilaginous structure of the respiratory tract between the pharynx and the trachea. It contains elastic vocal cords required for sound production. (NCI)   | Larynx  |
| C102307    | LATERAL FIRST DIAGONAL BRANCH ARTERY         | LAT 1ST DIAG;LATERAL FIRST DIAGONAL BRANCH ARTERY SEGMENT   | The lateral branch distal to a bifurcation of the first diagonal artery.   | Lateral First Diagonal Branch Artery              |
| C102308    | LATERAL FIRST OBTUSE MARGINAL BRANCH ARTERY  | First Obtuse Marginal Lateral Branch;LAT 1ST OM;LATERAL FIRST OBTUSE MARGINAL BRANCH ARTERY SEGMENT   | The lateral branch distal to a bifurcation of the first obtuse marginal artery.  | Lateral First Obtuse Marginal Branch Artery       |
| C102309    | LATERAL RAMUS INTERMEDIUS ARTERY             | LAT RAMUS;LATERAL RAMUS INTERMEDIUS ARTERY SEGMENT  | The lateral branch distal to a bifurcation of the ramus intermedius artery.  | Lateral Ramus Intermedius Artery                  |
| C102310    | LATERAL SECOND DIAGONAL BRANCH ARTERY        | LAT 2ND DIAG;LATERAL SECOND DIAGONAL BRANCH ARTERY SEGMENT  | The lateral branch distal to a bifurcation of the second diagonal artery.  | Lateral Second Diagonal Branch Artery             |
| C102311    | LATERAL SECOND OBTUSE MARGINAL BRANCH ARTERY | LAT 2ND OM;LATERAL SECOND OBTUSE MARGINAL BRANCH ARTERY SEGMENT;Second Obtuse Marginal Lateral Branch | The lateral branch distal to a bifurcation of the second obtuse marginal artery.   | Lateral Second Obtuse Marginal Branch Artery      |
| C102312    | LATERAL THIRD DIAGONAL BRANCH ARTERY         | LAT 3RD DIAG;LATERAL THIRD DIAGONAL BRANCH ARTERY SEGMENT   | The lateral branch distal to a bifurcation of the third diagonal artery.   | Lateral Third Diagonal Branch Artery              |
| C102425    | LATERAL THIRD OBTUSE MARGINAL BRANCH ARTERY  | LAT 3RD OM;LATERAL THIRD OBTUSE MARGINAL BRANCH ARTERY SEGMENT;Third Obtuse Marginal Lateral Branch   | The lateral branch distal to a bifurcation of the third obtuse marginal artery.  | Lateral Third Obtuse Marginal Branch Artery       |
| C116175    | LEFT ANTERIOR DESCENDING ARTERY OSTIUM       |   | The opening of the left anterior descending coronary artery at its origin.   | Left Anterior Descending Artery Ostium            |
| C116177    | LEFT ATRIOVENTRICULAR ARTERY                 |   | The first posterolateral branch originating from the posterior atrioventricular left circumflex artery in left dominant and mixed circulations.  | Left Atrioventricular Artery                      |
| C116176    | LEFT CIRCUMFLEX ARTERY OSTIUM                |   | The opening of the left circumflex artery at its origin.   | Left Circumflex Artery Ostium                     |

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| NCI Code   | CDISC Submission Value                   | CDISC Synonym                                      | CDISC Definition   | NCI Preferred Term                            |
| C12874     | LEFT CIRCUMFLEX CORONARY ARTERY          |  | An artery arising from the bifurcation of the left coronary artery that runs along the coronary groove.  | Circumflex Branch of the Left Coronary Artery |
| C116174    | LEFT MAIN CORONARY ARTERY BIFURCATION    |  | The portion of the distal end of the left main coronary artery that branches into the left anterior descending artery and the left circumflex artery.  | Left Main Coronary Artery Bifurcation         |
| C116173    | LEFT MAIN CORONARY ARTERY BODY           |  | The segment of the left main coronary artery that is bounded by its ostium and bifurcation.  | Left Main Coronary Artery Body                |
| C116172    | LEFT MAIN CORONARY ARTERY OSTIUM         |  | The opening of the left coronary artery at its origin.   | Left Main Coronary Artery Ostium              |
| C116178    | LEFT POSTERIOR DESCENDING ARTERY         |  | The second posterolateral branch originating from the posterior atrioventricular left circumflex artery in left dominant and mixed circulations.   | Left Posterior Descending Artery              |
| C102314    | LEFT POSTEROLATERAL DESCENDING ARTERY    | LEFT POSTEROLATERAL DESCENDING ARTERY SEGMENT;LPDA | In an individual with a left-dominant heart, this branch arises from the circumflex artery atrioventricular groove continuation and supplies the inferior apex of the heart.   | Left Posterolateral Descending Artery         |
| C127650    | LEFT VENTRICULAR APEX SEGMENT            |  | The apical cap division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).                     | Left Ventricular Apex Segment                 |
| C127651    | LEFT VENTRICULAR APICAL ANTERIOR SEGMENT |  | The anterior portion of the apical division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Apical Anterior Segment      |
| C127652    | LEFT VENTRICULAR APICAL INFERIOR SEGMENT |  | The inferior portion of the apical division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Apical Inferior Segment      |
| C127653    | LEFT VENTRICULAR APICAL LATERAL SEGMENT  |  | The lateral portion of the apical division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).  | Left Ventricular Apical Lateral Segment       |

| C74456 LOC |  |               |  |  |
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| NCI Code   | CDISC Submission Value                       | CDISC Synonym | CDISC Definition   | NCI Preferred Term                           |
| C127654    | LEFT VENTRICULAR APICAL SEPTAL SEGMENT       |               | The septal portion of the apical division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).       | Left Ventricular Apical Septal Segment       |
| C127655    | LEFT VENTRICULAR BASAL ANTERIOR SEGMENT      |               | The anterior portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).      | Left Ventricular Basal Anterior Segment      |
| C127656    | LEFT VENTRICULAR BASAL ANTEROLATERAL SEGMENT |               | The anterolateral portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Basal Anterolateral Segment |
| C127657    | LEFT VENTRICULAR BASAL ANTEROSEPTAL SEGMENT  |               | The anteroseptal portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).  | Left Ventricular Basal Anteroseptal Segment  |
| C127658    | LEFT VENTRICULAR BASAL INFERIOR SEGMENT      |               | The inferior portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).      | Left Ventricular Basal Inferior Segment      |
| C127659    | LEFT VENTRICULAR BASAL INFEROLATERAL SEGMENT |               | The inferolateral portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Basal Inferolateral Segment |



| C74456 LOC |   |               |   |   |
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| NCI Code   | CDISC Submission Value                      | CDISC Synonym | CDISC Definition  | NCI Preferred Term                          |
| C127660    | LEFT VENTRICULAR BASAL INFEROSEPTAL SEGMENT |               | The inferoseptal portion of the basal division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).       | Left Ventricular Basal Inferoseptal Segment |
| C102315    | LEFT VENTRICULAR EPICARDIUM                 |               | The outermost layer of cardiac tissue lining of the left ventricle.   | Left Ventricular Epicardium                 |
| C127661    | LEFT VENTRICULAR MID ANTERIOR SEGMENT       |               | The anterior portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).      | Left Ventricular Mid Anterior Segment       |
| C127662    | LEFT VENTRICULAR MID ANTEROLATERAL SEGMENT  |               | The anterolateral portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Mid Anterolateral Segment  |
| C127663    | LEFT VENTRICULAR MID ANTEROSEPTAL SEGMENT   |               | The anteroseptal portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).  | Left Ventricular Mid Anteroseptal Segment   |
| C127664    | LEFT VENTRICULAR MID INFERIOR SEGMENT       |               | The inferior portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.).      | Left Ventricular Mid Inferior Segment       |
| C127665    | LEFT VENTRICULAR MID INFEROLATERAL SEGMENT  |               | The inferolateral portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Mid Inferolateral Segment  |

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| NCI Code   | CDISC Submission Value                    | CDISC Synonym                                 | CDISC Definition   | NCI Preferred Term                        |
| C127666    | LEFT VENTRICULAR MID INFEROSEPTAL SEGMENT |   | The inferoseptal portion of the mid-cavity division of the left ventricular myocardium as determined using the AHA 17-Segment Model (Cerqueira MD, Weissman NJ, Dilsizian V, Jacobs AK, Kaul S, Laskey WK, Pennell DJ, Rumberger JA, Ryan T, Verani MS; American Heart Association Writing Group on Myocardial Segmentation and Registration for Cardiac Imaging. Standardized myocardial segmentation and nomenclature for tomographic imaging of the heart. A statement for healthcare professionals from the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association. Circulation. 2002 Jan 29;105(4):539-42.). | Left Ventricular Mid Inferoseptal Segment |
| C32974     | LEG                                       | Leg   | One of the two lower extremities in humans used for locomotion and support. (NCI)  | Leg                                       |
| C52749     | LEG SKIN                                  | Leg Skin                                      | The skin or integument surrounding the leg. (NCI)  | Leg Skin                                  |
| C12743     | LENS                                      | Crystalline Lens;Lens;Lens Of Eye;Ocular Lens | A biconvex transparent structure of the eye through which light is focused on the retina. The lens sits behind the iris and is supported by the zonule, which connects it to the ciliary body. The lens is an avascular structure. (NCI)   | Lens                                      |
| C32979     | LEPTOMENINGES                             |   | The two innermost layers of tissue that cover the brain and spinal cord, the arachnoid mater and the pia mater. (NCI)  | Leptomeninges                             |
| C32982     | LESSER TROCHANTER                         |   | A cone-shaped projection in the shaft of the femur in which the iliopsoas muscle is attached. (NCI)  | Lesser Trochanter                         |
| C13046     | LIGAMENT                                  | Ligament                                      | Band of fibrous tissue connecting bone to bone or cartilage to bone thereby supporting or strengthening a joint. (NCI)   | Ligament                                  |
| C12429     | LIMB                                      | Extremities;Limb                              | A body region referring to an upper or lower extremity. (NCI)  | Limb                                      |
| C12742     | LIMB, LOWER                               | Lower Extremity                               | The limb that is composed of the hip, thigh, leg and foot. (NCI)   | Lower Extremity                           |
| C12671     | LIMB, UPPER                               | Upper Extremity                               | The region of the body that extends distal to the scapulohumeral joint.  | Upper Extremity                           |
| C40373     | LINGULA OF THE LUNG                       |   | A small tongue-like projection from the lower portion of the upper lobe of the left lung.  | Lingula of the Lung                       |
| C12220     | LIP                                       | Lip   | Fleshy fold which surrounds the opening of the mouth. (NCI)  | Lip                                       |
| C12222     | LIP, LOWER                                | External Lower Lip                            | The external surface of the lower lip. (NCI)   | External Lower Lip                        |
| C12221     | LIP, UPPER                                | External Upper Lip                            | The external surface of the upper lip. (NCI)   | External Upper Lip                        |
| C12392     | LIVER                                     |   | An abdominal organ that has variable lobation which are composed of hepatic lobules.   | Liver                                     |
| C32996     | LIVER FISSURE                             | Liver Fissure                                 | A groove on the surface of the liver.  | Liver Fissure                             |
| C33000     | LIVER, CAUDATE LOBE                       |   | The lobe of the liver situated posteriorly located between the left lobe and the inferior vena cava.   | Caudate Lobe                              |
| C32965     | LIVER, LEFT LOBE                          |   | The smaller lobe of the liver extending into the left side of the body.  | Left Lobe of the Liver                    |
| C112404    | LIVER, QUADRATE LOBE                      |   | An oblong shaped area of the liver that is situated inferior to the right lobe, bounded by the anterior margin of the liver and the porta hepatis.   | Quadrato Lobe of Liver                    |
| C33481     | LIVER, RIGHT LOBE                         |   | The larger lobe of the liver extending into the right side of the body.  | Right Lobe of the Liver                   |
| C97333     | LOCUS CERULEUS                            |   | A brainstem nucleus. It is the major brain site for the synthesis and secretion of norepinephrine. (NCI)   | Locus Coeruleus                           |
| C33012     | LOWER RESPIRATORY SYSTEM                  |   | The part of the respiratory system below the bifurcation of the trachea. It includes the lungs and the parts of the lungs such as the bronchi, bronchioles and alveoli.  | Lower Respiratory System                  |
| C34004     | LUMBAR REGION                             |   | The area of the body below the ribs and above the hipbones. (NCI)  | Lumbar Region                             |

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| NCI Code   | CDISC Submission Value   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term            |
| C69314     | LUMBAR SPINE             |   | The vertebrae located below the thoracic and above the sacral vertebrae.   | Lumbar Spine                  |
| C12744     | LUMBAR VERTEBRA          | Lumbar Vertebra   | Any of the vertebrae situated between the thoracic vertebrae and the sacrum in the lower part of the spine.  | Lumbar Vertebra               |
| C12786     | LUNATE BONE              | Lunate Bone   | The bone in the proximal row of carpal bones that lies between the scaphoid and triquetral bones. (NCI)  | Lunate Bone                   |
| C12468     | LUNG                     |   | An organ of respiration occupying the pulmonary cavity of the thorax, in which aeration of the blood takes place.  | Lung                          |
| C49282     | LUNG, HILUM              | Hilar Area of the Lung                                      | The wedge-shaped area at the central portion of the lung through which the bronchi, vessels and nerves enter or exit the organ. (NCI)  | Hilar Area of the Lung        |
| C32967     | LUNG, LEFT               | Left Lung   | The 2-lobed lung located on the left side of the body. (NCI)   | Left Lung                     |
| C33020     | LUNG, LEFT LOWER LOBE    | Lower Lobe of the Left Lung                                 | The larger lobe of the left lung, situated below and behind the oblique fissure. (NCI)   | Lower Lobe of the Left Lung   |
| C33021     | LUNG, LEFT UPPER LOBE    | Upper Lobe of the Left Lung                                 | The smaller lobe of the left lung, situated above and in front the oblique fissure, which includes the apex. (NCI)   | Upper Lobe of the Left Lung   |
| C33483     | LUNG, RIGHT              | Right Lung  | The 3-lobed lung located on the right side of the body. (NCI)  | Right Lung                    |
| C33022     | LUNG, RIGHT LOWER LOBE   | Lower Lobe of the Right Lung                                | The lobe of the right lung situated below the oblique fissure. (NCI)   | Lower Lobe of the Right Lung  |
| C12286     | LUNG, RIGHT MIDDLE LOBE  | Middle Lobe of the Right Lung                               | The smallest lobe of the right lung, situated above the oblique fissure and below the horizontal fissure. (NCI)  | Middle Lobe of the Right Lung |
| C33023     | LUNG, RIGHT UPPER LOBE   | Upper Lobe of the Right Lung                                | The lobe of the right lung, situated above the horizontal fissure, which includes the apex. (NCI)  | Upper Lobe of the Right Lung  |
| C12745     | LYMPH NODE               | Lymph Node;Lymphatic Gland                                  | A bean-shaped organ surrounded by a connective tissue capsule. It is part of the lymphatic system and is found through out the body. It is composed predominantly of lymphocytes and its main function is immune protection. (NCI) | Lymph Node                    |
| C33031     | LYMPH NODE HILUM         | Lymph Node Hilum  | The concave side of the lymph node. (NCI)  | Lymph Node Hilum              |
| C32968     | MAIN BRONCHUS, LEFT      | Left Main Bronchus  | One of the two main bronchi. It is narrower but longer than the right main bronchus and connects to the left lung. (NCI)   | Left Main Bronchus            |
| C33486     | MAIN BRONCHUS, RIGHT     | Right Main Bronchus   | One of the two main bronchi. It is wider but shorter than the left main bronchus and connects to the right lung. (NCI)   | Right Main Bronchus           |
| C61599     | MALE GENITALIA           | Male Genitalia  | Male internal and external organs of reproduction.   | Male Genitalia                |
| C12722     | MALE REPRODUCTIVE SYSTEM |   | The sex organs of the male.  | Male Reproductive System      |
| C33051     | MALLEUS                  | Malleus   | A hammer-shaped bone, part of three interconnected small bones located in the middle ear. It is attached to the inner surface of the tympanic membrane and its function is to transmit sound vibrations. (NCI)                     | Malleus                       |
| C12367     | MAMMARY GLAND            |   | Lactiferous glands consisting of fibrous tissue connecting the lobes and fatty tissue in between the lobes.  | Mammary Gland                 |
| C12290     | MANDIBLE                 | Bone, Mandibular;Inferior Maxillary Bone;Lower Jaw;Mandible | The lower jaw bone holding the lower teeth. (NCI)  | Mandible                      |
| C12503     | MASTOID PROCESS          | Mastoid Process   | A honeycombed section of bone located near the base of the skull, protruding behind the outer ear. It is connected to the middle ear. (NCI)  | Mastoid Process               |
| C26470     | MAXILLA                  | Maxilla   | The upper jawbone in vertebrates: it is fused to the cranium. (NCI)  | Maxilla                       |

| C74456 LOC |                                     |                        |  |                                     |
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| NCI Code   | CDISC Submission Value              | CDISC Synonym          | CDISC Definition   | NCI Preferred Term                  |
| C12275     | MAXILLARY SINUS                     | Maxillary Sinus        | A pyramidal-shaped, thin-walled, air-filled cavity located in the maxilla. It is lined by mucus membrane and periosteum (mucoperiosteum) which contains cilia. It is adjacent to the nasal cavity and communicates with the middle meatus of the nose. It is the largest paranasal sinus and is composed of three recesses: alveolar, zygomatic, and infraorbital. (NCI)   | Maxillary Sinus                     |
| C103417    | MEDIAN OR LOWER CERVICAL LYMPH NODE |                        | A lymph node located in the median or lower region of the neck. (NCI)  | Median Or Lower Cervical Lymph Node |
| C33073     | MEDIASTINAL LYMPH NODE              | Mediastinal Lymph Node | A lymph node located in the mediastinum. Mediastinal lymph nodes are arranged in three groups, one on the lateral, another on the medial, and a third on the anterior aspect of the vessels; the third group is, however, sometimes absent. (NCI)  | Mediastinal Lymph Node              |
| C12748     | MEDIASTINUM                         | Mediastinum            | A group of organs surrounded by loose connective tissue, separating the two pleural sacs, between the sternum anteriorly and the vertebral column posteriorly as well as from the thoracic inlet superiorly to the diaphragm inferiorly. The mediastinum contains the heart and pericardium, the bases of the great vessels, the trachea and bronchi, esophagus, thymus, lymph nodes, thoracic duct, phrenic and vagus nerves, and other structures and tissues. (NCI) | Mediastinum                         |
| C32098     | MEDIASTINUM, ANTERIOR               | Anterior Mediastinum   | The area between the lungs; it contains the thymus, some lymph nodes, and vessels and branches of the internal thoracic artery. (NCI)  | Anterior Mediastinum                |
| C33123     | MEDIASTINUM, MIDDLE                 | Middle Mediastinum     | The broadest part of the lower portion of the mediastinum. It contains the heart and the great vessels. (NCI)  | Middle Mediastinum                  |
| C33368     | MEDIASTINUM, POSTERIOR              | Posterior Mediastinum  | The part of the lower portion of the mediastinum that is located behind the pericardium. (NCI)   | Posterior Mediastinum               |
| C33684     | MEDIASTINUM, SUPERIOR               | Superior Mediastinum   | The part of the mediastinum that is located between the upper part of the sternum in the front and the upper thoracic vertebrae in the back. (NCI)   | Superior Mediastinum                |
| C12442     | MEDULLA OBLONGATA                   | Medulla Oblongata      | The lower portion of the brainstem located between the pons and brainstem. This structure contains several descending and ascending tracts, lower cranial nerve nuclei, a significant proportion of the reticular system of the brainstem and other structures. (NCI)  | Medulla Oblongata                   |
| C12348     | MENINGES                            |                        | Any one of three membranes that surround the brain and spinal cord. (NCI)  | Meninges                            |
| C52975     | MESENTERIC ARTERY                   |                        | A branch of the abdominal aorta that supplies blood to the intestines. (NCI)   | Mesenteric Artery                   |
| C77641     | MESENTERIC LYMPH NODE               |                        | A lymph node located in the mesentery. (NCI)   | Mesenteric Lymph Node               |
| C33103     | MESENTERY                           |                        | A double layer of peritoneum that attaches to the back wall of the abdominal cavity and supports the small intestines. (NCI)   | Mesentery                           |
| C127667    | METACARPAL 1 BASE                   |                        | The proximal end of the first metacarpal bone.   | Metacarpal 1 Base                   |
| C12751     | METACARPAL BONE                     |                        | Any of the five bones between the wrist and the fingers that form the skeleton of the palm. (NCI)  | Metacarpal Bone                     |
| C102316    | METACARPOPHALANGEAL JOINT 1         | MCP1                   | A condyloid synovial joint within the first digit of the hand connecting the metacarpal to the proximal phalanx.   | Metacarpophalangeal Joint 1         |
| C102317    | METACARPOPHALANGEAL JOINT 2         | MCP2                   | A condyloid synovial joint within the second digit of the hand connecting the metacarpal to the proximal phalanx.  | Metacarpophalangeal Joint 2         |
| C102318    | METACARPOPHALANGEAL JOINT 3         | MCP3                   | A condyloid synovial joint within the third digit of the hand connecting the metacarpal to the proximal phalanx.   | Metacarpophalangeal Joint 3         |
| C102319    | METACARPOPHALANGEAL JOINT 4         | MCP4                   | A condyloid synovial joint within the fourth digit of the hand connecting the metacarpal to the proximal phalanx.  | Metacarpophalangeal Joint 4         |
| C102320    | METACARPOPHALANGEAL JOINT 5         | MCP5                   | A condyloid synovial joint within the fifth digit of the hand connecting the metacarpal to the proximal phalanx.   | Metacarpophalangeal Joint 5         |
| C12752     | METATARSAL BONE                     | Metatarsal Bone        | A bone belonging to the middle part of the foot located between toes and ankle. There are 5 metatarsal bones and they are numbered from the medial side. (NCI)   | Metatarsal Bone                     |

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| NCI Code   | CDISC Submission Value   | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C33108     | METATARSOPHALANGEAL JOINT  | Metatarsophalangeal Joint  | A spheroid joint located between the heads of the metatarsal bone and the base of the proximal phalanx of the toe. (NCI)  | Metatarsophalangeal Joint  |
| C102321    | METATARSOPHALANGEAL JOINT 1  | MTP1   | A condyloid synovial joint within the first digit of the foot connecting metatarsal with the proximal phalanx.  | Metatarsophalangeal Joint 1  |
| C102322    | METATARSOPHALANGEAL JOINT 2  | MTP2   | A condyloid synovial joint within the second digit of the foot connecting metatarsal with the proximal phalanx.   | Metatarsophalangeal Joint 2  |
| C102323    | METATARSOPHALANGEAL JOINT 3  | MTP3   | A condyloid synovial joint within the third digit of the foot connecting metatarsal with the proximal phalanx.  | Metatarsophalangeal Joint 3  |
| C102324    | METATARSOPHALANGEAL JOINT 4  | MTP4   | A condyloid synovial joint within the fourth digit of the foot connecting metatarsal with the proximal phalanx.   | Metatarsophalangeal Joint 4  |
| C102325    | METATARSOPHALANGEAL JOINT 5  | MTP5   | A condyloid synovial joint within the fifth digit of the foot connecting metatarsal with the proximal phalanx.  | Metatarsophalangeal Joint 5  |
| C102326    | MID-CIRCUMFLEX ARTERY  | MCIRC;MID-CIRCUMFLEX ARTERY SEGMENT                                      | The segment of the left circumflex artery between the first and second marginal branches.   | Mid-Circumflex Artery  |
| C102328    | MID-LAD ARTERY   | MID-LAD ARTERY SEGMENT;MLAD  | The segment of the left anterior descending (LAD) artery between the first and third diagonal branches.   | Mid-Left Anterior Descending Artery  |
| C102329    | MID-RIGHT CORONARY ARTERY CONDUIT  | MID-RIGHT CORONARY ARTERY CONDUIT SEGMENT;MRCA;Mid-right Coronary Artery | The section of the right coronary artery between the right ventricular artery and the acute marginal artery.  | Mid-Right Coronary Artery Conduit  |
| C102327    | MID/DISTAL LEFT ANTERIOR DESCENDING CORONARY ARTERY AND ALL DIAGONAL CORONARY BRANCHES |  | All of the arterial branches distal to the proximal left anterior descending coronary artery.   | Mid-Distal Left Anterior Descending Coronary Artery and All Diagonal Coronary Branches |
| C12510     | MIDBRAIN   | Mesencephalon;Midbrain   | The uppermost portion of the brainstem located between the pons and the diencephalon. The midbrain contains the cerebral peduncles, oculomotor, trochlear and red nuclei, substantia nigra and various other nuclei and tracts. (NCI) | Mesencephalon  |
| C12274     | MIDDLE EAR   | Middle Ear   | The part of the ear including the eardrum and ossicles. The middle ear leads to the inner ear. (NCI)  | Middle Ear   |
| C12753     | MITRAL VALVE   |  | A dual-flap valve of the heart that regulates the flow of blood between the left atrium and the left ventricle of the heart. (NCI)  | Mitral Valve   |
| C127306    | MITRAL VALVE ANNULUS   |  | A fibrous membrane that attaches to, and provides support for, the mitral valve leaflets.   | Mitral Valve Annulus   |
| C127668    | MITRAL VALVE, ANTERIOR ANNULUS   | Mitral Valve, Anteroseptal Annulus                                       | The portion of the mitral valve annulus that attaches to the anterior mitral valve leaflet.   | Anterior Annulus of the Mitral Valve   |
| C127669    | MITRAL VALVE, ANTERIOR CUSP  |  | The cusp of the mitral valve that is anchored to the aortic-mitral curtain.   | Anterior Cusp of the Mitral Valve  |
| C127670    | MITRAL VALVE, POSTERIOR ANNULUS  | Mitral Valve, Posterolateral Annulus                                     | The portion of the mitral valve annulus that attaches to the posterior mitral valve leaflet.  | Posterior Annulus of the Mitral Valve  |
| C127671    | MITRAL VALVE, POSTERIOR CUSP   |  | The cusp of the mitral valve that is located posterior to the two commissures, and which has no attachment to the aortic root.  | Posterior Cusp of the Mitral Valve   |
| C97339     | MOTOR CORTEX   |  | A brain region that is located in the dorsal part of the precentral gyrus. (NCI)  | Primary Motor Cortex   |
| C13166     | MUCOSA   | Mucosa;Mucous Membrane   | The moist, inner lining of some organs and body cavities (such as the nose, mouth, lungs, and stomach). Glands in the mucosa make mucus (a thick, slippery fluid).  | Mucosa   |
| C12226     | MUCOSA OF THE LIP  |  | The lining of the fleshy folds surrounding the mouth. It is comprised of the epithelium, basement membrane, lamina propria mucosae, and lamina muscularis mucosae. (NCI)  | Mucosa of the Lip  |
| C13056     | MUSCLE   |  | A fibrous soft tissue with the ability to contract to produce force and motion.   | Muscle   |
| C12314     | MYOMETRIUM   | Myometrium   | The smooth muscle lining the uterus. (NCI)  | Myometrium   |

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| NCI Code   | CDISC Submission Value   | CDISC Synonym               | CDISC Definition  | NCI Preferred Term       |
| C33156     | NAIL                     | Nail                        | The cutaneous plate on the dorsal surface of the distal end of a finger or toe. (NCI)   | Nail                     |
| C33157     | NASAL BONE               | Nasal Bone                  | One of two small oblong bones placed side by side at the middle and upper part of the face. (NCI)   | Nasal Bone               |
| C12424     | NASAL CAVITY             | Nasal Cavity                | The proximal portion of the respiratory passages on either side of the nasal septum lying between the floor of the cranium and the roof of the mouth and extending from the face to the pharynx. The nasal cavity is lined with ciliated mucosa, extending from the nares to the pharynx. (NCI) | Nasal Cavity             |
| C33160     | NASAL SEPTUM             | Nasal Septum                | The thin wall between the two nasal cavities. (NCI)   | Nasal Septum             |
| C12423     | NASOPHARYNX              | Nasopharynx                 | The part of the pharynx in the back of the throat, at and above the soft palate. The nasopharynx is continuous with the nasal passages. (NCI)   | Nasopharynx              |
| C33162     | NAVICULAR BONE           | Navicular Bone              | An oval-shaped bone of the tarsus found on the medial side of the foot. (NCI)   | Navicular Bone           |
| C13063     | NECK                     | Neck                        | The region that connects the head to the rest of the body. (NCI)  | Neck                     |
| C12466     | NERVE                    |                             | A bundle of fibers that transmits electrochemical impulses encoding sensory and motor information from one body part to another.  | Nerve                    |
| C12299     | NIPPLE                   | Nipple                      | The pigmented protuberance on the surface of the breast through which milk is drawn from the breast. (NCI)  | Nipple                   |
| C12756     | NOSE                     | Nose                        | A structure of special sense serving as an organ of the sense of smell and as an entrance to the respiratory tract. (NCI)   | Nose                     |
| C33178     | NOSTRIL                  | Nostril                     | One of the two channels of the nose, from the point where they divide to the external opening. (NCI)  | Nostril                  |
| C97342     | NUCLEUS OF DIAGONAL BAND | BASAL NUCLEUS/DIAGONAL BAND | A brain structure that is part of the septal nuclear complex. It is connected with the hippocampus, hypothalamus and amygdala.  | Nucleus of Diagonal Band |
| C12355     | OCCIPITAL LOBE           |                             | The posterior part of the cerebral hemisphere. (MeSH)   | Occipital Lobe           |
| C98188     | OCCIPITAL LYMPH NODE     |                             | A lymph node located in the back of the head adjacent to the trapezius muscle.  | Occipital Lymph Node     |
| C103456    | OCCIPITAL SCALP          |                             | The occipital region of the skin that covers the top of the head. (NCI)   | Occipital Scalp          |
| C12758     | OCULOMOTOR NERVE         |                             | The third cranial nerve.  | Oculomotor Nerve         |
| C33794     | ODONTOGENIC TISSUE       | Teeth                       | The tissue that forms the tooth. It consists of the dental pulp, dentin, enamel, cementum, odontogenic epithelium, and periodontium. (NCI)  | Odontogenic Tissue       |
| C33200     | OLECRANON                | Olecranon                   | A prominence at the proximal end of the ulna. It forms the tip of the elbow. (NCI)  | Olecranon                |
| C28401     | OLFACTORY BULB           | Olfactory Bulb              | Anatomical structure located in the vertebral forebrain that receives neural input regarding odors that have been detected by cells within the nasal cavity. The axons of olfactory receptor cells extend into the olfactory bulb. (NCI)  | Olfactory Bulb           |
| C33205     | OLFACTORY MUCOSA         | Olfactory Mucosa            | The part of the nasal mucosa composed of neuroepithelial tissue and mucus-producing Bowman's glands. The mucus moistens the epithelium and helps dissolve odor-containing gases. (NCI)  | Olfactory Mucosa         |
| C12759     | OLFACTORY NERVE          |                             | The first cranial nerve.  | Olfactory Nerve          |
| C33209     | OMENTUM                  | Omental Fat                 | A fold of peritoneum originating at the stomach and supporting the viscera. (NCI)   | Omentum                  |
| C33216     | OPHTHALMIC ARTERY        |                             | An artery arising from the internal carotid artery that branches into two groups of vessels; the orbital group that supplies the orbit and surrounding parts and the ocular group that supplies the globe and muscles of the eye.   | Ophthalmic Artery        |

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| NCI Code   | CDISC Submission Value  | CDISC Synonym  | CDISC Definition  | NCI Preferred Term       |
| C12760     | OPTIC DISC              | Optic Nerve Head;Optic Papilla;Second Cranial Nerve          | A portion of the retina at which the axons of the ganglion cells exit the eyeball to form the optic nerve. No light-sensitive photoreceptors are contained within this portion of the retina. (NCI)   | Optic Disc               |
| C12761     | OPTIC NERVE             | Optic Nerve  | The second cranial nerve. (NCI)   | Optic Nerve              |
| C12421     | ORAL CAVITY             | Mouth;Oral Cavity  | The cavity located at the upper end of the alimentary canal, behind the teeth and gums that is bounded on the outside by the lips, above by the hard and soft palates and below by the tongue. (NCI)  | Oral Cavity              |
| C77637     | ORAL MUCOSA             |  | Moist tissue lining the oral cavity, containing mucus secreting glands.   | Oral Mucosa              |
| C12347     | ORBIT                   | Eye Socket;Ocular Orbit;Orbit;Orbital Cavity                 | The bony cavity of the skull which contains the eye, anterior portion of the optic nerve, ocular muscles and ocular adnexa. Seven bones contribute to the structure of the orbit: the frontal, maxillary, zygomatic, sphenoid, lacrimal, ethmoid, and palatine bones. (NCI)   | Orbit                    |
| C12762     | OROPHARYNX              |  | The part of the pharynx between the soft palate and the upper portion of the epiglottis. (NCI)  | Oropharynx               |
| C12404     | OVARY                   | Ovary  | One of the paired female reproductive glands containing the ova or germ cells; the ovary's stroma is a vascular connective tissue containing numbers of ovarian follicles enclosing the ova. (NCI)  | Ovary                    |
| C52745     | PALATINE BONE           | Palatine Bone  | An irregularly shaped bone positioned at the back part of the nasal cavity between the maxilla and the pterygoid process of the sphenoid. It forms the posterior part of the hard palate and the lateral wall of the nasal fossa and helps to form the floor of the orbit as well as several adjoining parts. (NCI) | Palatine Bone            |
| C33252     | PALM                    |  | The undersurface of the hand. (NCI)   | Palmar Region            |
| C12393     | PANCREAS                |  | An organ located adjacent to the stomach that contains both exocrine and endocrine tissue.  | Pancreas                 |
| C12270     | PANCREAS, BODY          | Body of the Pancreas   | The part of the pancreas from the point where it crosses the portal vein to the point where it enters the lienorenal ligament. (NCI)  | Body of the Pancreas     |
| C12608     | PANCREAS, ENDOCRINE     | Endocrine Pancreas   | The pancreatic tissue that contains the islets of Langerhans. It is responsible for the production and secretions of the pancreatic hormones. (NCI)   | Islet of Langerhans      |
| C32546     | PANCREAS, EXOCRINE      | Exocrine Pancreas  | An enzyme producing region of the pancreatic tissue containing the pancreatic acini and exocrine intralobular ducts which collectively secrete the digestive enzymes into the main pancreatic duct to drain into the duodenal part of the small intestine. (NCI)  | Exocrine Pancreas        |
| C12269     | PANCREAS, HEAD          | Head of the Pancreas   | That portion of the pancreas lying in the concavity of the duodenum. (NCI)  | Head of the Pancreas     |
| C12271     | PANCREAS, TAIL          | Tail of the Pancreas   | The left extremity of the pancreas within the lienorenal ligament. (NCI)  | Tail of the Pancreas     |
| C77643     | PARA-AORTIC LYMPH NODE  | Lymph Node, Para-Aortic                                      | A lymph node located adjacent to the lumbar region of the spine. (NCI)  | Paraaortic Lymph Node    |
| C117869    | PARACAVAL LYMPH NODE    |  | A lymph node located adjacent to the lumbar region of the spine, along the right lateral aspect of the inferior vena cava. (NCI)  | Paracaval Lymph Node     |
| C12320     | PARAMETRIUM             | Parametrium  | The subserous connective tissue of the pelvic floor of the supracervical portion of the uterus. The parametrium extends laterally between the layers of the broad ligament. (NCI)   | Parametrium              |
| C12763     | PARANASAL SINUS         | Accessory Sinuses;Nasal Cavity;Nasal Sinuses;Paranasal Sinus | An air-filled cavity adjacent to the nasal cavity lined by a mucous membrane and located in the bones of the skull. There are four paranasal sinuses on each side of the face: ethmoid, frontal, maxillary, and sphenoid sinus. (NCI)   | Paranasal Sinus          |
| C52557     | PARASYMPATHETIC GANGLIA |  | A usually small autonomic ganglion of the parasympathetic nervous system. The majority are located near or in the organs that they innervate. (NCI)   | Parasympathetic Ganglion |

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| NCI Code   | CDISC Submission Value    | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term       |
| C12765     | PARATHYROID GLAND         |                                    | One of two small paired endocrine glands, superior and inferior, usually found embedded in the connective tissue capsule on the posterior surface of the thyroid gland; these glands secrete parathyroid hormone that regulates the metabolism of calcium and phosphorus. The parenchyma is composed of chief and oxyphilic cells arranged in anastomosing cords. (NCI) | Parathyroid Gland        |
| C103426    | PARATRACHEAL LYMPH NODE   |                                    | A lymph node located adjacent to the trachea within the mediastinum. (NCI)  | Paratracheal Lymph Node  |
| C97925     | PARAVERTEBRAL GANGLIA     |                                    | A cluster of neuronal cell bodies and their dendrites located just ventral and lateral to the spinal cord that give rise to the sympathetic nervous system.   | Para-Spinal Ganglion     |
| C12354     | PARIETAL LOBE             | Parietal Lobe                      | One of the lobes of the cerebral hemisphere located superiorly to the occipital lobe and posteriorly to the frontal lobe. Cognition and visuospatial processing are its main function. (NCI)  | Parietal Lobe            |
| C12427     | PAROTID GLAND             | Parotid Gland                      | The largest of the three paired salivary glands, located in front of the ear. (NCI)   | Parotid Gland            |
| C33278     | PAROTID GLAND LYMPH NODE  | Parotid Gland Lymph Node           | A lymph node located close to, on, or within the parotid gland. (NCI)   | Parotid Gland Lymph Node |
| C97341     | PARS COMPACTA             |                                    | A part of the substantia nigra. The pars compacta nerve cells contain melanin and are involved in motor control. (NCI)  | Pars Compacta            |
| C33282     | PATELLA                   | Patella                            | A small flat triangular bone in front of the knee that articulates with the femur and protects the knee joint. (NCI)  | Patella                  |
| C33287     | PELVIC BONE               | Pelvic Bone;Pelvis Bone            | The caudal portion of the trunk, bounded anteriorly and laterally by the two hip bones incorporating the socket portion of the hip joint for each leg. Posteriorly it is bounded by the sacrum and coccyx. (NCI)  | Pelvic Bone              |
| C12363     | PELVIC LYMPH NODE         | Pelvic Lymph Node                  | Any lymph node within the pelvic region. (NCI)  | Pelvic Lymph Node        |
| C12767     | PELVIS                    | Pelvic Cavity;Pelvic Region;Pelvis | The bony, basin-shaped structure formed by the hipbones and the base of the backbone supporting the lower limbs in humans. (NCI)  | Pelvis                   |
| C12409     | PENIS                     | Penis                              | The male organ of urination and copulation. (NCI)   | Penis                    |
| C12325     | PENIS, BODY               |                                    | The portion of the penis between the glans penis and the radix penis.   | Body of the Penis        |
| C12324     | PENIS, GLANS              |                                    | The most distal portion of the penis covered by the foreskin.   | Glans Penis              |
| C124350    | PENIS, RADIX              |                                    | The portion of the penis between the descending portion of the pubic bone and the body of the penis.  | Radix Penis              |
| C99148     | PERIANAL REGION           |                                    | The skin area around the anus. (NCI)  | Perianal Region          |
| C38662     | PERICARDIAL CAVITY        | Pericardial Cavity                 | The potential body space formed between the parietal and visceral layers of the pericardial sac. (NCI)  | Pericardial Cavity       |
| C117870    | PERICARDIAL LYMPH NODE    |                                    | A lymph node located anterior to the pericardium, posterior to the xiphoid process, and in the right and left cardiophrenic fat. (NCI)  | Pericardial Lymph Node   |
| C127672    | PERICARDIAL WALL          |                                    | The tissue layers that form the pericardium of the heart, including the fibrous pericardium, and the parietal and visceral layers of the serous pericardium.  | Pericardial Wall         |
| C13005     | PERICARDIUM               | Pericardium                        | A conical membranous sac filled with serous fluid in which the heart as well as the roots of the aorta and other large blood vessels are contained. (NCI)   | Pericardium              |
| C102330    | PERIHILAR LYMPH NODE      |                                    | A lymph node located in the area around the hilum.  | Perihilar Lymph Node     |
| C33301     | PERINEUM                  | Perineum                           | The area located between the anus and vulva in females, and anus and scrotum in males. (NCI)  | Perineum                 |
| C77642     | PERIPANCREATIC LYMPH NODE |                                    | A lymph node of the pancreas. (NCI)   | Pancreatic Lymph Node    |
| C12768     | PERIPHERAL NERVE          | Peripheral Nerve                   | Any nerve outside the brain or spinal cord that connects with peripheral receptors or effectors. (NCI)  | Peripheral Nerve         |



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| NCI Code   | CDISC Submission Value                         | CDISC Synonym   | CDISC Definition  | NCI Preferred Term              |
| C12769     | PERITONEAL CAVITY                              | Peritoneal Cavity   | The lower part of the abdomen that contains the intestines (the last part of the digestive tract), the stomach, and the liver. It is bound by thin membranes. (NCI)   | Peritoneal Cavity               |
| C12770     | PERITONEUM                                     | Peritoneum  | The tissue that lines the wall of the abdominal cavity, intestine, and mesentery. It consists of the parietal peritoneum that covers the inside of the abdominal wall and the visceral peritoneum that covers the surface of the intestine and mesentery. (NCI) | Peritoneum                      |
| C111287    | PERIURETHRAL REGION                            |   | The tissue surrounding the urethra.   | Periurethral Region             |
| C33314     | PERONEAL ARTERY                                |   | An artery arising from the posterior tibial artery that supplies the muscles on the lateral side of the lower leg.  | Peroneal Artery                 |
| C33318     | PHARYNGEAL TONSIL                              | Adenoid;Pharyngeal Tonsil                                   | A fold of lymphatic tissue covered by ciliated epithelium at the very back of the nose, in the roof of the nasopharynx. (NCI)   | Pharyngeal Tonsil               |
| C12425     | PHARYNX  | Pharynx   | A hollow tube that starts posterior to the mouth and nasal cavity and ends superior to the trachea and esophagus. (NCI)   | Pharynx                         |
| C12398     | PINEAL GLAND                                   |   | A small endocrine gland within the diencephalon of the brain, situated beneath the back part of the corpus callosum, that secretes melatonin.   | Pineal Gland                    |
| C12855     | PISIFORM BONE                                  | Pisiform Bone   | The medial bone of the proximal row of carpal bones. (NCI)  | Pisiform Bone                   |
| C12399     | PITUITARY GLAND                                | Hypophysis;Hypophysis Cerebri                               | Pea-sized endocrine gland located at the base of the brain in the pituitary fossa. It produces and secretes hormones such as oxytocin and vasopressin, to regulate the activities of the hypothalamus. (NCI)  | Pituitary Gland                 |
| C12469     | PLEURA   | Pleural Tissue  | The tissue that lines the wall of the thoracic cavity and the surface of the lungs. (NCI)   | Pleura                          |
| C12840     | PLEURAL CAVITY                                 | Pleural Cavity  | The cavity lined by the pleura, located in the thorax and contains heart and lungs. (NCI)   | Pleural Cavity                  |
| C12511     | PONS VAROLII                                   | Pons Varolii  | The middle portion of the brainstem located between the midbrain and the medulla oblongata.   | Pons Varolii                    |
| C116180    | POPLITEAL ARTERY ABOVE KNEE                    |   | The segment of the popliteal artery that is located above the knee.   | Popliteal Artery Above the Knee |
| C116181    | POPLITEAL ARTERY BELOW KNEE                    |   | The segment of the popliteal artery that is located below the knee.   | Popliteal Artery Below the Knee |
| C53146     | POPLITEAL LYMPH NODE                           |   | Lymph node located within the fat layer of the knee joint. (NCI)  | Popliteal Lymph Node            |
| C117871    | PORTA HEPATIS LYMPH NODE                       |   | A lymph node located in the transverse fissure of the liver. (NCI)  | Porta Hepatis Lymph Node        |
| C117872    | PORTACAVAL LYMPH NODE                          | Portocaval Lymph Node                                       | A lymph node located in the space between the portal vein and inferior vena cava, along the hepatoduodenal ligament. (NCI)  | Portacaval Lymph Node           |
| C77645     | PORTAL LYMPH NODE                              | Periportal Lymph Node                                       | Lymph nodes surrounding the portal vein. (NCI)  | Portal Lymph Node               |
| C33343     | PORTAL VEIN                                    | Hepatic Portal Vein;Portal Vein                             | A short thick trunk vein that transports blood containing the absorbed products of digestion from the intestine directly to the liver. (NCI)  | Portal Vein                     |
| C103428    | POSTERIOR CERVICAL LYMPH NODE                  |   | A lymph node located in the posterior region of the neck. (NCI)   | Posterior Cervical Lymph Node   |
| C102348    | POSTERIOR DESCENDING SEPTAL PERFORATORS ARTERY | PDSP;POSTERIOR DESCENDING SEPTAL PERFORATORS ARTERY SEGMENT | The arteries arising from the right posterior descending artery that supply the interventricular septum.  | Septal Perforator Artery        |
| C12826     | POSTERIOR TIBIAL ARTERY                        |   | A terminal branch of the popliteal artery that runs along the tibia from the lower portion of the popliteus muscle to the lower ankle with numerous branches supplying the lower leg and foot.  | Posterior Tibial Artery         |

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| NCI Code   | CDISC Submission Value                       | CDISC Synonym                            | CDISC Definition  | NCI Preferred Term                           |
| C116170    | POSTEROLATERAL SEGMENTAL ARTERY              |  | In an individual with a right-dominant heart, the arterial branch that arises from the distal right coronary artery in the posterior atrioventricular groove after the origin of the right posterior descending artery.                         | Posterolateral Coronary Artery               |
| C103429    | PREAURICULAR LYMPH NODE                      |  | A lymph node located anterior to the auricle of the ear. (NCI)  | Preauricular Lymph Node                      |
| C112399    | PRECUNEUS                                    |  | The posteromedial region of the parietal lobe bounded by the marginal branch of the cingulate sulcus anteriorly, by the medial portion of the parieto-occipital fissure posteriorly and by the subparietal sulcus inferiorly.                   | Precuneus                                    |
| C79432     | PREPUTIAL GLAND                              |  | Exocrine glands located at the anterior aspect of the genitals of some mammals, such as mice and rats, that produce and secrete pheromones. (NCI)   | Preputial Gland                              |
| C97340     | PRIMARY VISUAL CORTEX                        |  | A brain region in the occipital cortex that receives visual stimuli from the retina. (NCI)  | Primary Visual Cortex                        |
| C32436     | PROFUNDA FEMORIS ARTERY                      |  | An artery arising from the common femoral artery just below the inguinal ligament running close to the femur and ending in the lower third of the thigh with branches supplying the thigh muscles.  | Deep Femoral Artery                          |
| C12410     | PROSTATE GLAND                               | Prostate Gland                           | The walnut shaped accessory sex gland of the male reproductive system. It is located in the pelvis just below the bladder, surrounding the prostatic part of the urethra. The prostate gland secretes a fluid which is part of the semen. (NCI) | Prostate Gland                               |
| C13092     | PROSTATE GLAND, LATERAL LOBE                 | Lateral Lobe of the Prostate             | The prostate gland lobe that is located on the lateral side of the organ. (NCI)   | Lateral Lobe of the Prostate                 |
| C13094     | PROSTATE GLAND, MIDDLE LOBE                  | Middle Lobe of the Prostate              | The upper, smaller part of the prostate between the ejaculatory ducts and the urethra. (NCI)  | Middle Lobe of the Prostate                  |
| C13093     | PROSTATE GLAND, POSTERIOR LOBE               | Posterior Lobe of the Prostate           | The prostate gland lobe that is located on the posterior side of the organ. (NCI)   | Posterior Lobe of the Prostate               |
| C102331    | PROXIMAL CIRCUMFLEX ARTERY                   | PCIRC;PROXIMAL CIRCUMFLEX ARTERY SEGMENT | The section of the left circumflex coronary artery that arises from the left main coronary artery and extends to the first marginal branch.   | Proximal Circumflex Artery                   |
| C102332    | PROXIMAL INTERPHALANGEAL JOINT 2             | PIP2                                     | A condyloid synovial joint within the second digit of the hand or foot connecting the proximal and middle phalanges. (NCI)  | Proximal Interphalangeal Joint 2             |
| C114205    | PROXIMAL INTERPHALANGEAL JOINT 2 OF THE FOOT | PIP2 of the Foot                         | A ginglymoid (hinge) synovial joint within the second digit of the foot connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 2 of the Foot |
| C114194    | PROXIMAL INTERPHALANGEAL JOINT 2 OF THE HAND | PIP2 of the Hand                         | A ginglymoid (hinge) synovial joint within the second digit of the hand connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 2 of the Hand |
| C102333    | PROXIMAL INTERPHALANGEAL JOINT 3             | PIP3                                     | A condyloid synovial joint within the third digit of the hand or foot connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 3             |
| C114206    | PROXIMAL INTERPHALANGEAL JOINT 3 OF THE FOOT | PIP3 of the Foot                         | A ginglymoid (hinge) synovial joint within the third digit of the foot connecting the proximal and middle phalanges. (NCI)  | Proximal Interphalangeal Joint 3 of the Foot |
| C114195    | PROXIMAL INTERPHALANGEAL JOINT 3 OF THE HAND | PIP3 of the Hand                         | A ginglymoid (hinge) synovial joint within the third digit of the hand connecting the proximal and middle phalanges. (NCI)  | Proximal Interphalangeal Joint 3 of the Hand |
| C102334    | PROXIMAL INTERPHALANGEAL JOINT 4             | PIP4                                     | A condyloid synovial joint within the fourth digit of the hand or foot connecting the proximal and middle phalanges. (NCI)  | Proximal Interphalangeal Joint 4             |
| C114207    | PROXIMAL INTERPHALANGEAL JOINT 4 OF THE FOOT | PIP4 of the Foot                         | A ginglymoid (hinge) synovial joint within the fourth digit of the foot connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 4 of the Foot |
| C114196    | PROXIMAL INTERPHALANGEAL JOINT 4 OF THE HAND | PIP4 of the Hand                         | A ginglymoid (hinge) synovial joint within the fourth digit of the hand connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 4 of the Hand |
| C102335    | PROXIMAL INTERPHALANGEAL JOINT 5             | PIP5                                     | A condyloid synovial joint within the fifth digit of the hand or foot connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 5             |

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| NCI Code   | CDISC Submission Value                       | CDISC Synonym                                       | CDISC Definition   | NCI Preferred Term                           |
| C114208    | PROXIMAL INTERPHALANGEAL JOINT 5 OF THE FOOT | PIP5 of the Foot                                    | A ginglymoid (hinge) synovial joint within the fifth digit of the foot connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 5 of the Foot |
| C114197    | PROXIMAL INTERPHALANGEAL JOINT 5 OF THE HAND | PIP5 of the Hand                                    | A ginglymoid (hinge) synovial joint within the fifth digit of the hand connecting the proximal and middle phalanges. (NCI)   | Proximal Interphalangeal Joint 5 of the Hand |
| C102336    | PROXIMAL LAD ARTERY                          | PLAD;PROXIMAL LAD ARTERY SEGMENT                    | The section of the left anterior descending coronary artery that arises from the left main coronary artery and extends to the first diagonal branch.   | Proximal Left Anterior Descending Artery     |
| C102337    | PROXIMAL RIGHT CORONARY ARTERY CONDUIT       | PRCA;PROXIMAL RIGHT CORONARY ARTERY CONDUIT SEGMENT | The section of the right coronary artery proximal to the origin of the right ventricular artery.   | Proximal Right Coronary Artery Conduit       |
| C115335    | PROXIMAL URETHRA                             |   | The part of the urethra that is close to the bladder.  | Proximal Urethra                             |
| C33423     | PUBIC BONE                                   |   | Either of the two bones (left and right) that form the front of the pelvis. (NCI)  | Pubic Bone                                   |
| C116918    | PULMONARY TRUNK                              | Main Pulmonary Artery                               | The artery arising from the right ventricle of the heart that bifurcates into the left and right pulmonary arteries.   | Pulmonary Trunk                              |
| C12775     | PULMONARY VALVE                              |   | A valve that is located between and controls the flow of blood from the right ventricle of the heart and the pulmonary artery. (NCI)   | Pulmonary Valve                              |
| C127673    | PULMONARY VALVE, ANTERIOR CUSP               | Pulmonary Valve, Anterior Semilunar Cusp            | The cusp of the pulmonic valve that has no attachment to the cardiac septum.   | Anterior Cusp of the Pulmonary Valve         |
| C127674    | PULMONARY VALVE, LEFT CUSP                   | Pulmonary Valve, Left Semilunar Cusp                | The cusp of the pulmonic valve attached to the left side of the cardiac septum.  | Left Cusp of the Pulmonary Valve             |
| C127675    | PULMONARY VALVE, RIGHT CUSP                  | Pulmonary Valve, Right Semilunar Cusp               | The cusp of the pulmonic valve attached to the right side of the cardiac septum.   | Right Cusp of the Pulmonary Valve            |
| C33429     | PUPIL  |   | The round opening in the center of the iris in the eye.  | Pupil  |
| C12452     | PUTAMEN                                      | Putamen   | The largest and most lateral of the basal ganglia lying between the lateral medullary lamina of the globus pallidus and the external capsule. It is part of the neostriatum and forms part of the lentiform nucleus along with the globus pallidus. (MeSH) | Putamen                                      |
| C33433     | PYLORIC SPHINCTER                            | Pyloric Sphincter                                   | The muscular structure at the distal portion of the stomach, opening into the duodenum. (NCI)  | Pyloric Sphincter                            |
| C33441     | QUADRICEPS MUSCLE                            | Muscle, Quadriceps;Muscle, Thigh                    | A group of four powerful muscles in the front of the thigh. Their actions involve the extension of the knee joint. (NCI)   | Quadriceps Muscle of the Thigh               |
| C12838     | RADIAL ARTERY                                | Radial Artery                                       | The branch of the brachial artery that passes down the forearm. (NCI)  | Radial Artery                                |
| C12777     | RADIUS                                       | Radius;Radius Bone                                  | The long bone that extends from the lateral aspect of the elbow to the medial side of the carpus.  | Radius Bone                                  |
| C120674    | RADIUS SHAFT                                 |   | The slightly curved, prismoid, elongated bony body of the radius.  | Radius Shaft                                 |
| C102338    | RAMUS INTERMEDIUS ARTERY                     | RAMUS;RAMUS ARTERY;RAMUS INTERMEDIUS ARTERY SEGMENT | An artery that arises from the left main coronary artery and is positioned between the left anterior descending coronary artery and the circumflex artery.   | Ramus Intermedius Artery                     |
| C97335     | RAPHE  |   | A group of nuclei that are located in the midline of the brainstem and release serotonin. (NCI)  | Raphe Nuclei                                 |
| C54188     | RECTOSIGMOID JUNCTION                        |   | The area where the sigmoid colon joins the rectum.   | Rectosigmoid Region                          |
| C12390     | RECTUM                                       |   | The terminal portion of the gastrointestinal tract, extending from the rectosigmoid junction to the anal canal. (NCI)  | Rectum                                       |
| C53175     | RECTUS FEMORIS MUSCLE                        |   | One of the four quadriceps muscles, located in the middle of the front of the thigh. Its actions involve the extension of the knee joint and flexion of the hip. (NCI)   | Rectus Femoris                               |
| C49018     | REGIONAL LYMPH NODE                          | Regional Lymph Node                                 | A lymph node that drains lymph from a region of interest. (NCI)  | Regional Lymph Node                          |

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| NCI Code   | CDISC Submission Value             | CDISC Synonym          | CDISC Definition   | NCI Preferred Term                   |
| C12778     | RENAL ARTERY                       |                        | Either of two arteries (right or left) that arise from the aorta to supply the kidneys.  | Renal Artery                         |
| C12887     | RENAL PELVIS                       |                        | The funnel-shaped proximal portion of the ureter located within the kidney into which urine is secreted, from the collecting duct system of the kidney. (NCI)  | Renal Pelvis                         |
| C12779     | RESPIRATORY SYSTEM                 |                        | The organs and anatomic structures involved in inspiration and expiration of air and the exchange of carbon dioxide and oxygen.  | Respiratory System                   |
| C12343     | RETINA                             | Retina                 | A light-sensitive membrane that lines the back wall of the eyeball. The retina is continuous with the optic nerve and this way transmits optical images to the brain. (NCI)  | Retina                               |
| C52997     | RETINAL ARTERY                     |                        | An artery arising from the ophthalmic artery that supplies the retina.   | Retinal Artery                       |
| C32953     | RETINAL NERVE FIBER LAYER          |                        | A retina layer that contains the axons of ganglion cells. It collects the visual impulses. (NCI)   | Layer of the Ophthalmic Nerve Fibers |
| C33470     | RETINAL PIGMENTED EPITHELIAL LAYER |                        | A continuous, insulating monolayer of cuboidal/columnar epithelium which extends from the margins of the optic nerve head to the ora serrata where it is continuous with the pigment epithelium of the pars plana. (NCI) | Retinal Pigment Epithelium           |
| C103439    | RETROCRURAL LYMPH NODE             |                        | A lymph node located within the most inferior portion of the posterior mediastinum. (NCI)  | Retrocrural Lymph Node               |
| C98189     | RETROPERITONEAL LYMPH NODE         |                        | A lymph node located in the retroperitoneal space. (NCI)   | Retroperitoneal Lymph Node           |
| C12298     | RETROPERITONEUM                    | RETROPERITONEAL CAVITY | The back of the abdomen where the kidneys lie and the great blood vessels run. (NCI)   | Retroperitoneum                      |
| C12782     | RIB                                |                        | Any one of the paired bones, extending from the thoracic vertebrae toward the median line on the ventral aspect of the trunk.  | Rib                                  |
| C52770     | RIB 1                              | Rib 1                  | The first rib counting from the top of the rib cage down. (NCI)  | Rib 1                                |
| C52769     | RIB 10                             | Rib 10                 | The tenth rib counting from the top of the rib cage down. (NCI)  | Rib 10                               |
| C52768     | RIB 11                             | Rib 11                 | The eleventh rib counting from the top of the rib cage down. (NCI)   | Rib 11                               |
| C52767     | RIB 12                             | Rib 12                 | The twelfth rib counting from the top of the rib cage down. (NCI)  | Rib 12                               |
| C52766     | RIB 2                              | Rib 2                  | The second rib counting from the top of the rib cage down. (NCI)   | Rib 2                                |
| C52765     | RIB 3                              | Rib 3                  | The third rib counting from the top of the rib cage down. (NCI)  | Rib 3                                |
| C52764     | RIB 4                              | Rib 4                  | The fourth rib counting from the top of the rib cage down. (NCI)   | Rib 4                                |
| C52763     | RIB 5                              | Rib 5                  | The fifth rib counting from the top of the rib cage down. (NCI)  | Rib 5                                |
| C52762     | RIB 6                              | Rib 6                  | The sixth rib counting from the top of the rib cage down. (NCI)  | Rib 6                                |
| C52761     | RIB 7                              | Rib 7                  | The seventh rib counting from the top of the rib cage down. (NCI)  | Rib 7                                |
| C52760     | RIB 8                              | Rib 8                  | The eighth rib counting from the top of the rib cage down. (NCI)   | Rib 8                                |
| C52759     | RIB 9                              | Rib 9                  | The ninth rib counting from the top of the rib cage down. (NCI)  | Rib 9                                |
| C102339    | RIGHT ATRIAL ENDOCARDIUM           |                        | The innermost layer of endothelial cells and connective tissue that lines the right atrium.  | Right Atrial Endocardium             |
| C116169    | RIGHT CORONARY ARTERY OSTIUM       |                        | The opening of the right coronary artery at its origin.  | Right Coronary Artery Ostium         |

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| NCI Code   | CDISC Submission Value  | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                                |
| C102340    | RIGHT CORONARY ARTERY, RIGHT POSTERIOR DESCENDING, RIGHT POSTERIORLATERAL AND ACUTE MARGINAL BRANCHES |  | The right coronary artery and all of its branches.  | Right Coronary Artery and its Branches            |
| C102341    | RIGHT POSTERIOR ATRIOVENTRICULAR ARTERY   | RIGHT POSTERIOR ATRIOVENTRICULAR ARTERY SEGMENT;RPAV | The arterial branch between the right posterior descending artery segment and the first right posterolateral segment.   | Right Posterior Atrioventricular Artery           |
| C102342    | RIGHT POSTERIOR DESCENDING ARTERY   | RIGHT POSTERIOR DESCENDING ARTERY SEGMENT;RPDA       | In an individual with a right-dominant heart, the arterial branch that arises from the distal right coronary artery between the acute marginal artery and the first right posterolateral segment. It supplies the inferior apex of the heart.   | Right Posterior Descending Artery                 |
| C116171    | RIGHT VENTRICULAR BRANCH  |  | The branch of the right coronary artery that supplies blood to the right ventricular wall.  | Right Ventricular Branch of Right Coronary Artery |
| C102343    | RIGHT VENTRICULAR ENDOCARDIUM   |  | The innermost layer of endothelial cells and connective tissue that lines the right ventricle.  | Right Ventricular Endocardium                     |
| C105447    | SACRAL TUBEROSITY   |  | The prominence on the lateral surface of the sacrum, posterior to the auricular surface of the sacrum. (NCI)  | Sacral Tuberosity                                 |
| C12853     | SACRAL VERTEBRA   |  | Any one of the vertebrae situated between the lumbar vertebrae and the caudal vertebrae or coccyx.  | Sacral Vertebra                                   |
| C33507     | SACROILIAC JOINT  | Sacroiliac Joint                                     | The joint located between the sacrum and the ilium. (NCI)   | Sacroiliac Joint                                  |
| C33508     | SACRUM  | Sacrum   | The triangular bone, made up of 5 fused bones of the spine, located in the lower area of the spine between the fifth lumbar vertebra and the coccyx. (NCI)  | Sacrum  |
| C12426     | SALIVARY GLAND  |  | An exocrine gland that secretes saliva. Salivary glands are mostly located in and around the oral cavity.   | Salivary Gland                                    |
| C33511     | SAPHENOUS VEIN  | Saphenous Vein                                       | One of two (Greater, Small) superficial veins of the leg and thigh. (NCI)   | Saphenous Vein                                    |
| C89807     | SCALP   |  | The skin which covers the top of the head and which is usually covered by hair. (NCI)   | Scalp   |
| C12854     | SCAPHOID BONE   | Scaphoid Bone  | A nut-shaped bone of the wrist located in the radial site of the hand. It is one of the eight carpal bones. (NCI)   | Scaphoid Bone                                     |
| C127676    | SCAPHOID-CAPITATE JOINT   |  | A condyloid synovial joint within the wrist connecting the scaphoid bone to the capitate bone.  | Scaphoid-Capitate Joint                           |
| C127677    | SCAPHOID-LUNATE-CAPITATE JOINT  |  | A condyloid synovial joint within the wrist connecting the scaphoid, lunate, and capitate bones.  | Scaphoid-Lunate-Capitate Joint                    |
| C127678    | SCAPHOID-TRAPEZIUM JOINT  |  | A condyloid synovial joint within the wrist connecting the scaphoid bone to the trapezium bone.   | Scaphoid-Trapezium Joint                          |
| C12783     | SCAPULA   | Scapula;Shoulder Blade                               | The flat triangle-shaped bone that connects the humerus with the clavicle in the back of the shoulder. (NCI)  | Scapula   |
| C52810     | SCIATIC NERVE   | Sciatic Nerve  | The longest single nerve that is formed by the merging of the ventral rami of the L4, L5, and S1 in the pelvis and passes down the lower limb where it divides into the common peroneal and tibial nerves. (NCI)  | Sciatic Nerve                                     |
| C12784     | SCLERA  |  | The white, opaque, fibrous, outer tunic of the eyeball, covering it entirely excepting the segment covered anteriorly by the cornea. It is essentially avascular but contains apertures for vessels, lymphatics, and nerves. It receives the tendons of insertion of the extraocular muscles and at the corneoscleral junction contains the canal of Schlemm. (From Cline et al., Dictionary of Visual Science, 4th ed) | Sclera  |
| C12785     | SCROTUM   | Scrotum  | The musculocutaneous pouch that encloses the testicles. (NCI)   | Scrotum   |
| C33519     | SEBACEOUS GLAND   |  | Small glands located within the epidermis, and associated with the hair follicle, that produce and secrete an oily substance that lubricates the skin and hair. (NCI)   | Sebaceous Gland                                   |

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| NCI Code   | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                       |
| C102344    | SECOND DIAGONAL BRANCH ARTERY            | 2ND DIAG;SECOND DIAGONAL BRANCH ARTERY SEGMENT           | The second artery arising from the left anterior descending (LAD) artery that supplies the anterolateral wall, when counted from proximal to distal.   | Second Diagonal Branch Artery            |
| C102345    | SECOND LEFT POSTEROLATERAL BRANCH ARTERY | 2ND LPL;SECOND LEFT POSTEROLATERAL BRANCH ARTERY SEGMENT | In an individual with a left-dominant heart, this is the second branch that arises from the circumflex artery atrioventricular groove continuation when counted from proximal to distal. It supplies the posterolateral wall.  | Second Left Posterolateral Branch Artery |
| C102346    | SECOND OBTUSE MARGINAL BRANCH ARTERY     | 2ND OM;SECOND OBTUSE MARGINAL BRANCH ARTERY SEGMENT      | The second artery arising from the left circumflex artery that supplies the lateral wall, when counted from proximal to distal.  | Second Obtuse Marginal Branch Artery     |
| C102347    | SECOND RIGHT POSTEROLATERAL ARTERY       | 2ND RPL;SECOND RIGHT POSTEROLATERAL ARTERY SEGMENT       | In an individual with a right-dominant heart, this is the second branch that arises from the right coronary artery distal to the right posterior descending artery, when counted from proximal to distal.  | Second Right Posterolateral Artery       |
| C12787     | SEMINAL VESICLE                          | Seminal Sacs   | One of the two paired glands in the male genitourinary system, posterior to the bladder and superior to the prostate gland, that produces fructose-rich seminal fluid which is a component of semen. These glands join the ipsilateral ductus deferens to form the ejaculatory duct. (NCI) | Seminal Vesicle                          |
| C53176     | SEMITENDINOSUS MUSCLE                    |  | A muscle located at the posterior and medial aspect of the thigh that extends the hip joint, flexes the knee joint and assists in medially rotating the knee.  | Semitendinosus                           |
| C25203     | SHOULDER                                 | Shoulder   | The region of the body between the neck and the upper arm. (NCI)   | Shoulder                                 |
| C33548     | SHOULDER JOINT                           | Shoulder Joint   | A ball-and-socket joint at the upper end of the humerus, located at the junction of humerus and scapula. (NCI)   | Shoulder Joint                           |
| C33556     | SINUS                                    | Sinus  | A recess, cavity, or channel. (NCI)  | Sinus                                    |
| C12470     | SKIN                                     | Integument;Skin  | An organ that constitutes the external surface of the body. It consists of the epidermis, dermis, and skin appendages. (NCI)   | Skin                                     |
| C116164    | SKIN OF THE AXILLA                       |  | The skin or integument surrounding the axilla, or underarm.  | Skin Of The Axilla                       |
| C52757     | SKIN OF THE HEAD                         |  | The skin or integument surrounding the head.   | Head Skin                                |
| C12291     | SKIN OF THE LIP                          |  | The skin portion of the lip that contains hair.  | Skin of the Lip                          |
| C52756     | SKIN OF THE NECK                         |  | The skin or integument surrounding the neck.   | Neck Skin                                |
| C12295     | SKIN OF THE TRUNK                        | Skin of the Trunk  | The skin or integument surrounding the trunk of the body. (NCI)  | Skin of the Trunk                        |
| C12789     | SKULL                                    | Cranium  | The bones that form the head, made up of the bones of the braincase and face. (NCI)  | Skull                                    |
| C12386     | SMALL INTESTINE                          |  | The section of the intestines between the pylorus and cecum. The small intestine consists of the duodenum, the jejunum, and the ileum.   | Small Intestine                          |
| C12231     | SOFT PALATE                              |  | A movable fold suspended from the posterior border of the hard palate. (MeSH)  | Soft Palate                              |
| C33326     | SOLE                                     |  | The undersurface of the foot. (NCI)  | Plantar Region                           |
| C32041     | SPINAL ACCESSORY NERVE                   | ACCESSORY NERVE;CRANIAL ACCESSORY NERVE                  | The eleventh cranial nerve.  | Accessory Nerve                          |
| C12464     | SPINAL CORD                              | Medulla Spinalis   | The elongated, approximately cylindrical part of the central nervous system of vertebrates that lies in the vertebral canal and from which the spinal nerves emerge. (NCI)   | Spinal Cord                              |
| C116112    | SPINOUS PROCESS                          |  | A bony projection arising from the posterior vertebral arch that serves for the attachment of muscles and ligaments.   | Spinous Process                          |
| C12432     | SPLEEN                                   |  | An abdominal organ that is part of the hematopoietic and immune systems. It is composed of the white pulp and the red pulp and is surrounded by a capsule.   | Spleen                                   |

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| NCI Code   | CDISC Submission Value     | CDISC Synonym                                   | CDISC Definition   | NCI Preferred Term         |
| C33601     | SPLEEN, HILUM              | Splenic Hilum                                   | The area of the spleen through which the vessels and nerves enter or exit the organ. (NCI)   | Splenic Hilum              |
| C33597     | SPLENIC ARTERY             |   | An artery arising from the celiac trunk with four main branches that supply the spleen, stomach and pancreas.  | Splenic Artery             |
| C33600     | SPLENIC HILAR LYMPH NODE   |   | A lymph node located in the hilar region of the spleen. (NCI)  | Splenic Hilar Lymph Node   |
| C52730     | STERNAL MANUBRIUM          | Sternal Manubrium                               | The upper segment of the sternum, quadrangular in shape, as well as wider superiorly and narrower inferiorly. The sternal manubrium articulates with the clavicle and first two ribs. (NCI)  | Sternal Manubrium          |
| C33615     | STERNOCLAVICULAR JOINT     | Sternoclavicular Joint                          | The synovial juncture between the medial end of the clavicle and the anterior segment of the sternum. (NCI)  | Sternoclavicular Joint     |
| C12793     | STERNUM                    | Sterna;Sternum                                  | The long, flat bone connecting with the cartilages of the first seven ribs and the clavicle. (NCI)   | Sternum                    |
| C12391     | STOMACH                    | Stomach   | An organ located under the diaphragm, between the liver and the spleen as well as between the esophagus and the small intestine. The stomach is the primary organ of food digestion. (NCI)   | Stomach                    |
| C117873    | SUBCARINAL LYMPH NODE      |   | A lymph node located in the thoracic cavity between the lungs. It is bordered by the carina of the trachea, lower lobe bronchus on the left and the bronchus intermedius on the right. (NCI)   | Subcarinal Lymph Node      |
| C12794     | SUBCLAVIAN VEIN            |   | The vein that drains the axillary vein and joins the internal jugular vein to form the brachiocephalic vein. It runs parallel to the subclavian artery.  | Subclavian Vein            |
| C33645     | SUBCUTIS                   | Subcutaneous Adipose Tissue;Subcutaneous Tissue | Adipose tissue located under the dermis. It binds underlying structures with the skin. The subcutis is important in the regulation of temperature of the skin itself and the body. The size of this layer varies throughout the body and from subject to subject.  | Subcutis                   |
| C12280     | SUBGLOTTIS                 | Subglottis                                      | The area of the larynx below the vocal cords down to the trachea. (NCI)  | Subglottis                 |
| C102349    | SUBLINGUAL REGION          |   | A body region relating to the area under or adjacent to the tongue.  | Sublingual Region          |
| C77650     | SUBMANDIBULAR LYMPH NODE   | Lymph Node, Submandibular                       | A lymph node located beneath the floor of the oral cavity. (NCI)   | Submandibular Lymph Node   |
| C12453     | SUBSTANTIA NIGRA           | Substantia Nigra                                | A large cell mass extending forward, over the dorsal surface of the crus cerebri, from the rostral border of the pons into the subthalamic region. It is composed of a dorsal stratum of closely spaced pigmented cells, the pars compacta, and a larger ventral region of widely scattered cells, the pars reticulata. The pars compacta includes numerous cells that project forward to the striatum (caudate nucleus and putamen) and contain dopamine, which acts as the primary neurotransmitter at the synaptic endings. Other, apparently non-dopaminergic cells project to portions of the ventral nucleus of thalamus, the superior colliculus and reticular formation. The nigrostriatal projection is reciprocated by a striatonigral fiber system with multiple neurotransmitters, chief among which is gamma-aminobutyric acid (GABA). The substantia nigra is involved in the metabolic disturbances associated with Parkinson's disease and Huntington's disease. (NCI) | Substantia Nigra           |
| C33653     | SUBTALAR JOINT             | Talocalcaneal Joint                             | The plane synovial joint between the talus and calcaneus bones of the foot.  | Subtalar Joint             |
| C33712     | SUDORIFEROUS GLAND         | Sweat Gland                                     | The small coiled tubular glands in the skin that produce and secrete sweat.  | Sweat Gland                |
| C33661     | SUPERFICIAL FEMORAL ARTERY |   | The portion of the femoral artery distal to the branching of the deep femoral artery that runs close to the skin.  | Superficial Femoral Artery |
| C102716    | SUPERFICIAL LYMPH NODE     |   | A lymph node located in a superficial part of the body.  | Superficial Lymph Node     |
| C12816     | SUPERIOR VENA CAVA         |   | The large vein that terminates in the right atrium and transports deoxygenated blood from the head, neck, arms, and chest to the heart.  | Superior Vena Cava         |

| C74456 LOC |                            |                                 |   |                            |
|------------|----------------------------|---------------------------------|---|----------------------------|
| NCI Code   | CDISC Submission Value     | CDISC Synonym                   | CDISC Definition  | NCI Preferred Term         |
| C12903     | SUPRACLAVICULAR LYMPH NODE | Supraclavicular Lymph Node      | A lymph node which is located above the clavicle. (NCI)   | Supraclavicular Lymph Node |
| C12512     | SUPRATENTORIAL BRAIN       |                                 | The part of the brain above the tentorium cerebellum. (NCI)   | Supratentorial Brain       |
| C12467     | SYMPATHETIC GANGLIA        |                                 | A mass containing the cell bodies of sympathetic nerves. Sympathetic ganglia exist as paravertebral ganglia (located bilaterally adjacent to the spinal cord) or prevertebral ganglia (located close to the target organ).  | Sympathetic Ganglion       |
| C33718     | SYNOVIAL FLUID             | Synovia;Synovial Fluid          | A viscid fluid secreted by the synovial membrane, serving as a lubricant. (NCI)   | Synovial Fluid             |
| C33720     | T1 VERTEBRA                | T1 Vertebra                     | The first thoracic vertebra counting from the top down. (NCI)   | T1 Vertebra                |
| C33721     | T10 VERTEBRA               | T10 Vertebra                    | The tenth thoracic vertebra counting from the top down. (NCI)   | T10 Vertebra               |
| C33722     | T11 VERTEBRA               | T11 Vertebra                    | The eleventh thoracic vertebra counting from the top down. (NCI)  | T11 Vertebra               |
| C33723     | T12 VERTEBRA               | T12 Vertebra                    | The twelfth thoracic vertebra counting from the top down. (NCI)   | T12 Vertebra               |
| C33724     | T2 VERTEBRA                | T2 Vertebra                     | The second thoracic vertebra counting from the top down. (NCI)  | T2 Vertebra                |
| C33725     | T3 VERTEBRA                | T3 Vertebra                     | The third thoracic vertebra counting from the top down. (NCI)   | T3 Vertebra                |
| C33726     | T4 VERTEBRA                | T4 Vertebra                     | The fourth thoracic vertebra counting from the top down. (NCI)  | T4 Vertebra                |
| C33727     | T5 VERTEBRA                | T5 Vertebra                     | The fifth thoracic vertebra counting from the top down. (NCI)   | T5 Vertebra                |
| C33728     | T6 VERTEBRA                | T6 Vertebra                     | The sixth thoracic vertebra counting from the top down. (NCI)   | T6 Vertebra                |
| C33729     | T7 VERTEBRA                | T7 Vertebra                     | The seventh thoracic vertebra counting from the top down. (NCI)   | T7 Vertebra                |
| C33730     | T8 VERTEBRA                | T8 Vertebra                     | The eighth thoracic vertebra counting from the top down. (NCI)  | T8 Vertebra                |
| C33731     | T9 VERTEBRA                | T9 Vertebra                     | The ninth thoracic vertebra counting from the top down. (NCI)   | T9 Vertebra                |
| C52799     | TALUS                      | Talus                           | The bone of the foot that connects with the tibia and fibula to form the ankle joint. (NCI)   | Talus                      |
| C33735     | TARSAL JOINT               |                                 | A joint formed by the union of tarsal bones.  | Tarsal Joint               |
| C12796     | TARSUS BONE                | Bone, Tarsal;Tarsus;Tarsus Bone | Any one of the seven bones forming the instep of the foot. (NCI)  | Tarsal Bone                |
| C33741     | TEMPORAL ARTERY            |                                 | A terminal branch of the external carotid artery that branches into the anterior and posterior temporal arteries. (NCI)   | Temporal Artery            |
| C12797     | TEMPORAL BONE              | Temporal Bone                   | A large irregular bone situated at the base and side of the skull, connected with the mandible via the temporomandibular joint. The temporal bone consists of the squamous, tympanic and petrous parts. The petrous portion of the temporal bone contains the vestibulocochlear organ of the inner ear. (NCI) | Temporal Bone              |
| C12353     | TEMPORAL LOBE              |                                 | Lower lateral part of the cerebral hemisphere. (MSH2001)  | Temporal Lobe              |
| C32888     | TEMPOROMANDIBULAR JOINT    | Jaw Joint;TMJ                   | The joint between the head of the lower mandible and the temporal bone. (NCI)   | Jaw Joint                  |
| C33749     | TENTORIUM CEREBELLI        |                                 | A laminar extension of the dura mater that lies between, and separates, the cerebrum and the cerebellum. (NCI)  | Tentorium Cerebelli        |
| C12412     | TESTIS                     | Testicle;Testis                 | Either of the paired male reproductive glands that produce the male germ cells and the male hormones. (NCI)   | Testis                     |



| C74456 LOC |  |  |   |  |
|------------|--|--|---|--|
| NCI Code   | CDISC Submission Value                 | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                     |
| C12459     | THALAMUS                               | Thalamus   | An ovoid mass composed predominantly of gray substance and associated laminae of white substance. The thalamus is divided into anterior, medial, and lateral parts. The function of the thalamus is to relay sensory impulses and cerebellar and basal ganglia projections to the cerebral cortex. The thalamus is positioned within the posterior part of the diencephalon forming most of each lateral wall of the third ventricle. (NCI) | Thalamus                               |
| C33763     | THIGH                                  | Thigh  | A part of the lower limb, located between hip and knee. (NCI)   | Thigh                                  |
| C102350    | THIRD DIAGONAL BRANCH ARTERY           | 3RD DIAG;THIRD DIAGONAL BRANCH ARTERY SEGMENT          | The third artery arising from the left anterior descending (LAD) artery that supplies the anterolateral wall, when counted from proximal to distal.   | Third Diagonal Branch Artery           |
| C102351    | THIRD OBTUSE MARGINAL BRANCH ARTERY    | 3RD OM;THIRD OBTUSE MARGINAL BRANCH ARTERY SEGMENT     | The third artery arising from the left circumflex artery that supplies the lateral wall, when counted from proximal to distal.  | Third Obtuse Marginal Branch Artery    |
| C102352    | THIRD POSTEROLATERAL DESCENDING ARTERY | 3RD LPL;THIRD POSTEROLATERAL DESCENDING ARTERY SEGMENT | In an individual with a left-dominant heart, this is the third branch that arises from the circumflex artery atrioventricular groove continuation when counted from proximal to distal. It supplies the posterolateral wall.  | Third Posterolateral Descending Artery |
| C102353    | THIRD RIGHT POSTEROLATERAL ARTERY      | 3RD RPL;THIRD RIGHT POSTEROLATERAL ARTERY SEGMENT      | In an individual with a right-dominant heart, this is the third branch that arises from the right coronary artery distal to the right posterior descending artery, when counted from proximal to distal.  | Third Right Posterolateral Artery      |
| C33766     | THORACIC AORTA                         |  | The section of the aorta between the lower border of the fourth dorsal vertebrae and the aortic opening in the diaphragm. (NCI)   | Thoracic Aorta                         |
| C12905     | THORACIC CAVITY                        | Thoracic Cavity  | The cavity in the vertebrate body enclosed by the ribs between the diaphragm and the neck and containing the lungs and heart. (NCI)   | Thoracic Cavity                        |
| C33769     | THORACIC LYMPH NODE                    |  | Lymph node located in the thoracic cavity. (NCI)  | Thoracic Lymph Node                    |
| C12798     | THORACIC VERTEBRA                      | Thoracic Vertebra                                      | Any of the vertebrae situated between the cervical and lumbar vertebrae.  | Thoracic Vertebra                      |
| C12799     | THORAX                                 | Thorax   | The division of the body lying between the neck and the abdomen. (NCI)  | Thorax                                 |
| C54272     | THROAT                                 | Throat   | The narrow passage from the mouth to the cavity at the back of the mouth. (NCI)   | Throat                                 |
| C12433     | THYMUS GLAND                           | Thymus Gland   | A lymphoid organ located in the thorax near the thoracic inlet and/or neck, essential for the development of the immune system.   | Thymus Gland                           |
| C12400     | THYROID GLAND                          | Thyroid Gland  | An endocrine gland located at the base of the neck that produces and secretes thyroxine and other hormones. Thyroxine is important for metabolic control. (NCI)   | Thyroid Gland                          |
| C32887     | THYROID GLAND ISTHMUS                  |  | The narrow, central portion of the thyroid gland that crosses the trachea anteriorly and connects the two lobes of the gland. (NCI)   | Thyroid Gland Isthmus                  |
| C32973     | THYROID GLAND, LEFT LOBE               | Left Thyroid Gland Lobe                                | The cone-like lobe of the thyroid gland that is located in the left side of the trachea. (NCI)  | Left Thyroid Gland Lobe                |
| C33491     | THYROID GLAND, RIGHT LOBE              | Right Thyroid Gland Lobe                               | The cone-like lobe of the thyroid gland that is located in the right side of the trachea. (NCI)   | Right Thyroid Gland Lobe               |
| C12800     | TIBIA                                  | Tibia  | A bone located between the femur and the tarsus, being part of the lower leg. (NCI)   | Tibia                                  |
| C120675    | TIBIA SHAFT                            |  | The triangular prismoid, elongated bony body of the tibia.  | Tibial Shaft                           |
| C116168    | TIBIAL-CRURAL PERIPHERAL ARTERY        |  | The blood vessels segment that includes the crural artery and the tibial artery.  | Tibialcrural Artery                    |
| C117874    | TIBIALIS ANTERIOR MUSCLE               |  | A muscle that originates from the lateral condyle of tibia, spans the upper two-thirds of the lateral surface of the tibia, and is attached to the first cuneiform and metatarsal bones of the foot. It is a dorsiflexor of the ankle and invertor of the foot.   | Tibialis Anterior Muscle               |

| C74456 LOC |                                 |  |  |                                       |
|------------|---------------------------------|--|--|---------------------------------------|
| NCI Code   | CDISC Submission Value          | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                    |
| C116182    | TIBIO-PERONEAL TRUNK            |  | An arterial trunk that contains parts of the posterior tibial artery and fibular artery.   | Tibioperoneal Arterial Trunk          |
| C33788     | TOE                             | Toe  | One of the terminal digits of the foot. (NCI)  | Toe                                   |
| C33790     | TOENAIL                         | Toenail  | A thin, horny translucent plate covering the end of each toe. (NCI)  | Toenail                               |
| C12422     | TONGUE                          | Tongue   | The muscular organ located in the floor of the mouth and serving as the principal organ of taste and modification of the voice in speech. (NCI)  | Tongue                                |
| C12802     | TONSIL                          | Tonsil   | The two organs situated in the throat on either side of the narrow passage from the mouth to the pharynx. They are composed of lymphoid tissues. (NCI)   | Tonsil                                |
| C66864     | TOOTH CANAL                     | Tooth Canal  | The anatomic space in the root of a tooth that contains nerves, blood vessels, and connective tissue. (NCI)  | Tooth Canal                           |
| C12428     | TRACHEA                         | Trachea;Windpipe                                       | The fibrocartilaginous, mucous-lined tube passing from the larynx to the bronchi. (NCI)  | Trachea                               |
| C117875    | TRACHEOBRONCHIAL TREE           |  | An anatomical structure comprised of trachea, bronchi, and bronchioles that terminate with the alveolar ducts, sacs, and alveoli. (NCI)  | Tracheobronchial Tree                 |
| C102354    | TRANSVERSE TARSAL JOINT         |  | A combination of syndesmosis and synovial joints formed by the articulation of the talus with the navicular and the calcaneus with the cuboid.   | Transverse Tarsal Joint               |
| C12857     | TRAPEZIAL BONE                  | Trapezium  | A carpal bone on the thumb side of the hand that articulates with the 1st and 2nd metacarpals. (NCI)   | Trapezial Bone                        |
| C33809     | TRAPEZIUS MUSCLE                | Trapezius Muscle                                       | One of a pair of flat, large, triangular muscles that extend from the external occipital protuberance and the medial third of the superior nuchal line of the occipital bone to the middle of the back. The trapezius muscle is involved in moving the shoulder and arm. (NCI) | Trapezius Muscle                      |
| C12859     | TRAPEZOID BONE                  | Trapezoid Bone   | A carpal bone located between the trapezium and capitate bones. (NCI)  | Trapezoid Bone                        |
| C12858     | TRIANGULAR BONE                 | Triangular Bone  | A carpal bone located between the lunate and pisiform bones. (NCI)   | Triangular Bone                       |
| C12805     | TRICUSPID VALVE                 |  | A three-cusp valve of the heart that regulates the flow of blood between the right atrium and the right ventricle of the heart. (NCI)  | Tricuspid Valve                       |
| C32799     | TRICUSPID VALVE, ANTERIOR CUSP  |  | The cusp of the tricuspid valve that is located between the atrioventricular orifice and the conus arteriosus.   | Anterior Cusp of the Tricuspid Valve  |
| C33055     | TRICUSPID VALVE, POSTERIOR CUSP |  | The cusp of the tricuspid valve that is located posterior and on the margin of the right ventricle.  | Posterior Cusp of the Tricuspid Valve |
| C33534     | TRICUSPID VALVE, SEPTAL CUSP    |  | The cusp of the tricuspid valve that is attached to the right and left fibrous trigones and the atrial and ventricular septa.  | Septal Cusp of the Tricuspid Valve    |
| C12806     | TRIGEMINAL NERVE                | Fifth Cranial Nerve;Nervus Trigeminus;Trigeminal Nerve | The fifth set of paired nerves of the face that emerge from the brain stem. These nerves have sensory and motor functions in the face, oral cavity, and nasal cavity. (NCI)  | Trigeminal Nerve                      |
| C33814     | TROCHANTER                      | Trochanter   | A bony protrusion on the femoral bone to which muscles are attached. (NCI)   | Trochanter                            |
| C12808     | TROCHLEAR NERVE                 | Trochlear Nerve  | The cranial nerve that controls the superior oblique muscle of the eye. (NCI)  | Trochlear Nerve                       |
| C33816     | TRUNK                           | Torso  | The body excluding the head, neck and appendages.  | Trunk                                 |
| C33820     | TUNICA INTIMA                   | Tunica Intima  | The inner most layer of the blood vessel wall. The consistency of the intima will vary depending on the type of blood vessel, but will always have an endothelial layer with a basal lamina. It may contain collagen and elastic fibers. (NCI)                                 | Tunica Intima                         |
| C12502     | TYMPANIC MEMBRANE               | Tympanic Membrane                                      | A thin membrane that separates the external auditory canal from the middle ear. The movement of the tympanic membrane in response to air pressure changes in the external ear facilitates the transmission of sound energy by causing vibration of the ossicular chain. (NCI)  | Tympanic Membrane                     |

| C74456 LOC |                              |                                  |   |                                  |
|------------|------------------------------|----------------------------------|---|----------------------------------|
| NCI Code   | CDISC Submission Value       | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term               |
| C12809     | ULNA                         | Ulna Bone                        | The long bone that extends from the elbow to the lateral side of the carpus.  | Ulna                             |
| C120676    | ULNA SHAFT                   |                                  | The prismatic, elongated bony body of the ulna.   | Ulnar Shaft                      |
| C34320     | UMBILICAL CORD               |                                  | Extraembryonic structure that connects the fetus to the placenta.   | Umbilical Cord                   |
| C77533     | UMBILICUS                    | Navel                            | The depression or scar on the abdomen that marks the former site of attachment of the umbilical cord. (NCI)   | Umbilicus                        |
| C62432     | UNCINATE PROCESS OF PANCREAS | Uncinate Process of Pancreas     | A portion of the pancreas that extends behind the superior mesenteric artery and superior mesenteric vein. (NCI)  | Uncinate Process of Pancreas     |
| C103447    | UPPER CERVICAL LYMPH NODE    |                                  | A lymph node located in the upper region of the neck. (NCI)   | Upper Cervical Lymph Node        |
| C33839     | UPPER RESPIRATORY SYSTEM     |                                  | The sinuses and those parts of the respiratory system above the trachea. It includes the nares, nasopharynx, oropharynx, larynx, vocal cords, glottis and upper trachea.  | Upper Respiratory System         |
| C12416     | URETER                       | Ureter                           | The thick-walled tube that carries urine from each kidney to the bladder. (NCI)   | Ureter                           |
| C12417     | URETHRA                      | Urethra                          | The tube carrying urine from the bladder to outside of the body. (NCI)  | Urethra                          |
| C61125     | URETHRA, ANTERIOR            | Anterior Portion of the Urethra  | The portion of the urethra that extends from the meatus to the membranous urethra. (NCI)  | Anterior Portion of the Urethra  |
| C61123     | URETHRA, PENILE              | Penile Portion of the Urethra    | The portion of the urethra that spans the corpus spongiosum. (NCI)  | Penile Portion of the Urethra    |
| C61126     | URETHRA, POSTERIOR           | Posterior Portion of the Urethra | The portion of the urethra that is located on the posterior aspect of the urogenital diaphragm. (NCI)   | Posterior Portion of the Urethra |
| C13101     | URETHRA, PROSTATIC           | Prostatic Urethra                | That part of the male urethra that passes through the prostate gland. (NCI)   | Prostatic Urethra                |
| C12413     | URINARY SYSTEM               | Urinary System                   | The organs involved in the creation and excretion of urine. (NCI)   | Urinary System                   |
| C12405     | UTERUS                       | Womb                             | A hollow muscular organ within which the fertilized egg implants and the embryo/fetus develops during pregnancy.  | Uterus                           |
| C12811     | UVEA                         | Uvea                             | The pigmented layer of the eyeball between the tough, white outer coat of the eye and the retina. (NCI)   | Uvea                             |
| C12407     | VAGINA                       | Vagina                           | The female genital canal, extending from the uterus to the vulva. (NCI)   | Vagina                           |
| C12812     | VAGUS NERVE                  |                                  | The 10th cranial nerve. The vagus is a mixed nerve which contains somatic afferents (from skin in back of the ear and the external auditory meatus), visceral afferents (from the pharynx, larynx, thorax, and abdomen), parasympathetic efferents (to the thorax and abdomen), and efferents to striated muscle (of the larynx and pharynx). (MSH2001) | Vagus Nerve                      |
| C12813     | VAS DEFERENS                 |                                  | A duct carrying spermatozoa from the epididymides to the urethra.   | Vas Deferens                     |
| C117876    | VASTUS INTERMEIUS MUSCLE     |                                  | The portion of the quadriceps femoris muscle group that is underneath the Rectus Femoris muscle, spans and covers the upper two-thirds of the anterior and lateral surfaces of the femur, and inserts into the lateral border of the patella.   | Vastus Intermedius Muscle        |
| C53073     | VASTUS LATERALIS MUSCLE      |                                  | The largest muscle of the quadriceps femoris muscle group that extends laterally from the intertrochanteric line of the femur to the lateral aspects of the quadriceps femoris tendon and patella.  | Vastus Lateralis                 |
| C117736    | VASTUS MEDIALIS MUSCLE       |                                  | The portion of the quadriceps femoris muscle group that extends medially from the intertrochanteric line of the femur to the medial aspects of the quadriceps femoris tendon and patella. (NCI)   | Vastus Medialis Muscle           |
| C12814     | VEIN                         | Vein                             | A blood vessel that carries blood towards the heart.  | Vein                             |

| C74456 LOC |                           |                                |   |                           |
|------------|---------------------------|--------------------------------|---|---------------------------|
| NCI Code   | CDISC Submission Value    | CDISC Synonym                  | CDISC Definition  | NCI Preferred Term        |
| C12817     | VENA CAVA                 | Vena Cava                      | A large vein which returns blood from the head, neck and extremities to the heart. (NCI)  | Vena Cava                 |
| C12998     | VERTEBRAL COLUMN          | Spinal Column;Vertebral Column | A series of bones, muscles, tendons, and other tissues reaching from the base of the skull to the tailbone. The vertebral column forms the axis of the skeleton and encloses as well as protects the spinal cord and the fluid surrounding the spinal cord. (NCI) | Vertebral Column          |
| C12996     | VESTIBULOCOCHLEAR NERVE   |                                | The eighth cranial nerve.   | Vestibulocochlear Nerve   |
| C12822     | VOCAL CORD                | Vocal Cord                     | A pair of small bands of muscle that stretch from the thyroid cartilage in front to the arytenoid cartilage in back of the larynx. The vocal cords help prevent food entering the lungs and produce sound through vibration. (NCI)                                | Vocal Cord                |
| C33888     | VOMER                     | Vomer                          | A thin, paired or unpaired, trapezoidal bone of the skull located in the floor of the nasal cavity. The vomer forms the posterior and inferior parts of the nasal septum. (NCI)   | Vomer                     |
| C12408     | VULVA                     | External Genitalia;Vulva       | The external, visible part of the female genitalia surrounding the urethral and vaginal opening. The vulva includes the clitoris and inner as well as outer labia. (NCI)  | Vulva                     |
| C64192     | WAIST                     | Waist                          | The abdominal circumference at the navel. (NCI)   | Waist                     |
| C73468     | WALDEYER'S TONSILLAR RING |                                | The ring of lymphoid tissue located in the pharynx, consisting of the pharyngeal, tubal, palatine, and lingual tonsils. (NCI)   | Waldeyer's Tonsillar Ring |
| C122161    | WARDS TRIANGLE            |                                | An area of low density in the femoral neck, as seen by radiography, which is bounded by the principle compressive, secondary compressive and primary tensile trabeculae.  | Ward's Triangle           |
| C33894     | WRIST JOINT               | Radiocarpal Joint              | A joint between the distal end of the radius and the proximal row of carpal bones. (NCI)  | Wrist Joint               |
| C33895     | XIPHOID PROCESS           | Xiphoid Process                | The cartilage just below the sternal body. (NCI)  | Xiphoid Process           |

## MATEST (Macroscopic Findings Test Name)

NCI Code: C89971, Codelist extensible: Yes

| C89971 MATEST |                                |                                |  |                              |
|---------------|--------------------------------|--------------------------------|--|------------------------------|
| NCI Code      | CDISC Submission Value         | CDISC Synonym                  | CDISC Definition   | NCI Preferred Term           |
| C16033        | Clinical Signs Follow-up       | Clinical Signs Follow-up       | The process by which information about the health status of a subject is obtained after the subject is no longer receiving study medication. | Follow-up                    |
| C90390        | Gross Pathological Examination | Gross Pathological Examination | An assessment of macroscopic pathological findings.  | Gross Pathologic Examination |

## MATESTCD (Macroscopic Findings Test Code)

NCI Code: C89972, Codelist extensible: Yes

| C89972 MATESTCD |                        |                                |  |                              |
|-----------------|------------------------|--------------------------------|--|------------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym                  | CDISC Definition   | NCI Preferred Term           |
| C16033          | CLSFUP                 | Clinical Signs Follow-up       | The process by which information about the health status of a subject is obtained after the subject is no longer receiving study medication. | Follow-up                    |
| C90390          | GROSPATH               | Gross Pathological Examination | An assessment of macroscopic pathological findings.  | Gross Pathologic Examination |

## MIRESCAT (Microscopic Histopathology Result Category)

NCI Code: C90017, Codelist extensible: Yes

| C90017 MIRESCAT |                        |                         |  |                         |
|-----------------|------------------------|-------------------------|--|-------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym           | CDISC Definition   | NCI Preferred Term      |
| C14172          | BENIGN                 | Benign                  | For neoplasms, a non-infiltrating and non-metastasizing neoplastic process that is characterized by the absence of morphologic features associated with malignancy (e.g., severe atypia, nuclear pleomorphism, tumor cell necrosis, and abnormal mitoses). For other conditions, a process that is mild in nature and not dangerous to health. (NCI) | Benign                  |
| C14143          | MALIGNANT              | Malignant               | Refers to abnormal cell activity manifested by decreased control over growth and function, causing tumor growth or spread into surrounding tissue and adverse effects to the host. (NCI)   | Malignant               |
| C14174          | METASTATIC             | Metastatic              | A term referring to the pathologic observation of a tumor extension or migration from its original site of growth to another non-adjacent site.  | Metastatic              |
| C53529          | NON-NEOPLASTIC         | Non-neoplastic Disorder | Any disorder other than abnormal tissue growth resulting from uncontrolled cell proliferation. (NCI)   | Non-Neoplastic Disorder |
| C89084          | UNDETERMINED           | Undetermined            | A term referring to the lack of definitive clinical or pathologic criteria for a tumor to predict its clinical course or classify it as benign or malignant.   | Undetermined            |

## MITEST (Microscopic Findings Test Name)

NCI Code: C89973, Codelist extensible: Yes

| C89973 MITEST |   |   |  |  |
|---------------|---|---|--|--|
| NCI Code      | CDISC Submission Value                    | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C111124       | Abnormal Cells                            | Abnormal Cells  | A measurement of the abnormal cells in a biological specimen.  | Abnormal Cell Count  |
| C122102       | Beta-defensin 2                           | Beta-defensin 2   | A measurement of the beta-defensin 2 in a biological specimen.   | Beta-defensin 2 Measurement                                      |
| C123555       | Breast Cancer Type 1 Susceptibility Prot  | Breast Cancer Type 1 Susceptibility Prot                | A measurement of BRCA1 protein in a biological specimen.   | Breast Cancer Type 1 Susceptibility Protein Measurement          |
| C123556       | Cancer Cellularity                        | Cancer Cellularity                                      | A relative measurement (ratio or percentage) of the neoplastic cells to total cells in a biological specimen.  | Cancer Cellularity Measurement                                   |
| C127763       | Cytokeratin 16                            | Cytokeratin 16  | A measurement of the cytokeratin 16 in a biological specimen.  | Cytokeratin 16 Measurement                                       |
| C127764       | Dendritic Cell-Lysosomal- Assoc Memb Prot | Dendritic Cell-Lysosomal- Assoc Memb Prot               | A measurement of the dendritic cell-lysosomal-associated membrane protein in a biological specimen.  | Dendritic Cell Lysosomal-Associated Membrane Protein Measurement |
| C112274       | Estrogen Receptor                         | ER;ESR;Estrogen Receptor;Oestrogen Receptor             | A measurement of estrogen receptor protein in a biological specimen.   | Estrogen Receptor Measurement                                    |
| C127765       | Fibrosis                                  | Fibrosis  | An evaluation of fibrosis in a biological specimen.  | Fibrosis Assessment  |
| C112312       | Human Epidermal Growth Factor Receptor 2  | ERBB2;HER2/NEU;Human Epidermal Growth Factor Receptor 2 | A measurement of HER2 protein in a biological specimen.  | Human Epidermal Growth Factor Receptor 2 Measurement             |
| C123557       | Ki-67                                     | Ki-67   | A measurement of the Ki-67 protein in a biological specimen.   | Ki67 Measurement   |
| C106539       | Lipocalin-2                               | Lipocalin-2   | A measurement of lipocalin-2 in a biological specimen.   | Lipocalin-2 Measurement  |
| C127766       | Lymphatic Invasion                        | Lymphatic Invasion                                      | An evaluation of lymphatic invasion in a biological specimen.  | Lymphatic Invasion Assessment                                    |
| C90424        | Microscopic Examination                   | Microscopic Examination                                 | An assessment by microscope (e.g., light, electron, confocal, etc.).   | Microscopic Examination  |
| C123558       | NK2 Homeobox 1                            | NK2 Homeobox 1;TEBP;TTF1;Thyroid Transcription Factor 1 | A measurement of NK2 homeobox 1 protein in a biological specimen.  | NK2 Homeobox 1 Measurement                                       |
| C127767       | Normal Cells/Total Cells                  | Normal Cells/Total Cells                                | A relative measurement (ratio or percentage) of the normal cells to total cells in a biological specimen.  | Normal Cell to Total Cell Ratio Measurement                      |
| C123559       | Percentage of In situ Carcinoma           | Percentage of In situ Carcinoma                         | A relative measurement (percentage) of in situ component present in a carcinoma compared to the entire malignant cellular proliferation. (NCI)                       | Percentage of in situ Carcinoma                                  |
| C127768       | Perineural Invasion                       | Perineural Invasion                                     | An evaluation of perineural invasion in a biological specimen.   | Perineural Invasion Assessment                                   |
| C117846       | Progesterone Receptor                     | NR3C3;PR;Progesterone Receptor                          | A measurement of the progesterone receptor protein in a biological specimen.   | Progesterone Receptor Measurement                                |
| C127769       | S100 Calcium Binding Protein A7           | S100 Calcium Binding Protein A7                         | A measurement of the S100 calcium binding protein A7 in a biological specimen.   | S100 Calcium Binding Protein A7 Measurement                      |
| C127770       | Stromal Cells/Total Cells                 | Stromal Cells/Total Cells                               | A relative measurement (ratio or percentage) of the stromal cells to total cells in a biological specimen.   | Stromal Cell to Total Cell Ratio Measurement                     |
| C123560       | Surgical Margins Status                   | Surgical Margins Status                                 | The determination of the presence of actual or potential neoplastic tissue which has been left outside the boundary of a resected specimen within the patient. (NCI) | Surgical Margins Status  |
| C41145        | Thickness                                 | Thickness   | The dimension between two surfaces of an object, usually the smallest dimension as opposed to the width or the length.   | Thickness  |
| C127771       | Tumor Cells/Total Cells                   | Tumor Cells/Total Cells                                 | A relative measurement (ratio or percentage) of the tumor cells to total cells in a biological specimen.   | Tumor Cell to Total Cell Ratio Measurement                       |
| C127772       | Vascular Invasion                         | Vascular Invasion                                       | An evaluation of vascular invasion in a biological specimen.   | Vascular Invasion Assessment                                     |



## MITESTCD (Microscopic Findings Test Code)

NCI Code: C89974, Codelist extensible: Yes

| C89974 MITESTCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C111124         | ABNCE                  | Abnormal Cells  | A measurement of the abnormal cells in a biological specimen.  | Abnormal Cell Count  |
| C122102         | BD2                    | Beta-defensin 2   | A measurement of the beta-defensin 2 in a biological specimen.   | Beta-defensin 2 Measurement                                      |
| C123555         | BRCA1                  | Breast Cancer Type 1 Susceptibility Prot                | A measurement of BRCA1 protein in a biological specimen.   | Breast Cancer Type 1 Susceptibility Protein Measurement          |
| C123556         | CANCLTY                | Cancer Cellularity                                      | A relative measurement (ratio or percentage) of the neoplastic cells to total cells in a biological specimen.  | Cancer Cellularity Measurement                                   |
| C127763         | CY16                   | Cytokeratin 16  | A measurement of the cytokeratin 16 in a biological specimen.  | Cytokeratin 16 Measurement                                       |
| C127764         | DCLAMP                 | Dendritic Cell-Lysosomal- Assoc Memb Prot               | A measurement of the dendritic cell-lysosomal-associated membrane protein in a biological specimen.  | Dendritic Cell Lysosomal-Associated Membrane Protein Measurement |
| C112274         | ESTRCPT                | ER;ESR;Estrogen Receptor;Oestrogen Receptor             | A measurement of estrogen receptor protein in a biological specimen.   | Estrogen Receptor Measurement                                    |
| C127765         | FIBROSIS               | Fibrosis  | An evaluation of fibrosis in a biological specimen.  | Fibrosis Assessment  |
| C112312         | HER2                   | ERBB2;HER2/NEU;Human Epidermal Growth Factor Receptor 2 | A measurement of HER2 protein in a biological specimen.  | Human Epidermal Growth Factor Receptor 2 Measurement             |
| C123557         | KI67                   | Ki-67   | A measurement of the Ki-67 protein in a biological specimen.   | Ki67 Measurement   |
| C106539         | LCN2                   | Lipocalin-2   | A measurement of lipocalin-2 in a biological specimen.   | Lipocalin-2 Measurement  |
| C127766         | LYMPHINV               | Lymphatic Invasion                                      | An evaluation of lymphatic invasion in a biological specimen.  | Lymphatic Invasion Assessment                                    |
| C90424          | MIEXAM                 | Microscopic Examination                                 | An assessment by microscope (e.g., light, electron, confocal, etc.).   | Microscopic Examination  |
| C123558         | NKX2_1                 | NK2 Homeobox 1;TEBP;TTF1;Thyroid Transcription Factor 1 | A measurement of NK2 homeobox 1 protein in a biological specimen.  | NK2 Homeobox 1 Measurement                                       |
| C127767         | NORMCECE               | Normal Cells/Total Cells                                | A relative measurement (ratio or percentage) of the normal cells to total cells in a biological specimen.  | Normal Cell to Total Cell Ratio Measurement                      |
| C123559         | PCTISCA                | Percentage of In situ Carcinoma                         | A relative measurement (percentage) of in situ component present in a carcinoma compared to the entire malignant cellular proliferation. (NCI)                       | Percentage of in situ Carcinoma                                  |
| C127768         | PNLINV                 | Perineural Invasion                                     | An evaluation of perineural invasion in a biological specimen.   | Perineural Invasion Assessment                                   |
| C117846         | PROGESTR               | NR3C3;PR;Progesterone Receptor                          | A measurement of the progesterone receptor protein in a biological specimen.   | Progesterone Receptor Measurement                                |
| C127769         | S100A7                 | S100 Calcium Binding Protein A7                         | A measurement of the S100 calcium binding protein A7 in a biological specimen.   | S100 Calcium Binding Protein A7 Measurement                      |
| C123560         | SGMGSTAT               | Surgical Margins Status                                 | The determination of the presence of actual or potential neoplastic tissue which has been left outside the boundary of a resected specimen within the patient. (NCI) | Surgical Margins Status  |
| C127770         | STRMCECE               | Stromal Cells/Total Cells                               | A relative measurement (ratio or percentage) of the stromal cells to total cells in a biological specimen.   | Stromal Cell to Total Cell Ratio Measurement                     |
| C41145          | THICK                  | Thickness   | The dimension between two surfaces of an object, usually the smallest dimension as opposed to the width or the length.   | Thickness  |
| C127771         | TUMCECE                | Tumor Cells/Total Cells                                 | A relative measurement (ratio or percentage) of the tumor cells to total cells in a biological specimen.   | Tumor Cell to Total Cell Ratio Measurement                       |
| C127772         | VASINV                 | Vascular Invasion                                       | An evaluation of vascular invasion in a biological specimen.   | Vascular Invasion Assessment                                     |

## MTHTRM (Method of Termination)

NCI Code: C89975, Codelist extensible: Yes

| C89975 MTHTRM |  |                         |  |   |
|---------------|--|-------------------------|--|---|
| NCI Code      | CDISC Submission Value                                       | CDISC Synonym           | CDISC Definition   | NCI Preferred Term  |
| C90355        | ANESTHETIZED CERVICAL DISLOCATION                            |                         | A method of euthanasia whereby a subject is anesthetized and the spinal column is dislocated from the skull and brain.   | Anesthesia and Cervical Dislocation Euthanasia                              |
| C90356        | ANESTHETIZED DECAPITATION                                    |                         | A method of euthanasia whereby a subject is anesthetized and the head is removed from the body.  | Anesthesia and Decapitation Euthanasia                                      |
| C90357        | ANESTHETIZED EXSANGUINATION                                  |                         | A method of euthanasia whereby a subject is anesthetized and the body is drained of blood.   | Anesthesia and Exsanguination Euthanasia                                    |
| C106500       | ANESTHETIZED EXSANGUINATION AND PERFUSION                    | Anesthetized Perfusion  | A method of euthanasia whereby a subject is anesthetized and the blood of the body is replaced by a perfusate. (NCI)   | Anesthetized Exsanguination and Perfusion Euthanasia                        |
| C116217       | ANESTHETIZED LETHAL INJECTION                                |                         | A method of euthanasia whereby a subject is anesthetized and a lethal chemical is administered by injection to induce death.   | Anesthetized Lethal Injection Euthanasia                                    |
| C116221       | ANESTHETIZED LETHAL INJECTION EXSANGUINATION                 |                         | A method of euthanasia whereby a subject is anesthetized, a lethal chemical is administered by injection and the body is drained of blood.   | Anesthetized Lethal Injection Exsanguination Euthanasia                     |
| C116220       | ANESTHETIZED LETHAL INJECTION INTRACARDIAC                   |                         | A method of euthanasia whereby a subject is anesthetized and a lethal chemical is administered by intracardiac injection to induce death.  | Anesthetized Intracardiac Lethal Injection Euthanasia                       |
| C116224       | ANESTHETIZED LETHAL INJECTION INTRACARDIAC EXSANGUINATION    |                         | A method of euthanasia whereby a subject is anesthetized, a lethal chemical is administered by intracardiac injection and the body is drained of blood.  | Anesthetized Intracardiac Lethal Injection and Exsanguination Euthanasia    |
| C116219       | ANESTHETIZED LETHAL INJECTION INTRAPERITONEAL                |                         | A method of euthanasia whereby a subject is anesthetized and a lethal chemical is administered by intraperitoneal injection to induce death.   | Anesthetized Intraperitoneal Lethal Injection Euthanasia                    |
| C116223       | ANESTHETIZED LETHAL INJECTION INTRAPERITONEAL EXSANGUINATION |                         | A method of euthanasia whereby a subject is anesthetized, a lethal chemical is administered by intraperitoneal injection and the body is drained of blood.                                       | Anesthetized Intraperitoneal Lethal Injection and Exsanguination Euthanasia |
| C116218       | ANESTHETIZED LETHAL INJECTION INTRAVENOUS                    |                         | A method of euthanasia whereby a subject is anesthetized and a lethal chemical is administered by intravenous injection to induce death.   | Anesthetized Intravenous Lethal Injection Euthanasia                        |
| C116222       | ANESTHETIZED LETHAL INJECTION INTRAVENOUS EXSANGUINATION     |                         | A method of euthanasia whereby a subject is anesthetized, a lethal chemical is administered by intravenous injection and the body is drained of blood.   | Anesthetized Lethal Injection Intravenous Exsanguination Euthanasia         |
| C106506       | CAPTIVE BOLT EXSANGUINATION                                  |                         | A method of euthanasia whereby a subject is shot in the brain with a captive bolt pistol causing immediate and permanent unconsciousness or death, followed by draining the body of blood. (NCI) | Captive Bolt and Exsanguination Euthanasia                                  |
| C106507       | CARBON DIOXIDE EXSANGUINATION                                | Asphyxia Exsanguination | A method of euthanasia whereby a subject inhales carbon dioxide until asphyxiation occurs and then the body is immediately drained of blood. (NCI)   | Carbon Dioxide and Exsanguination Euthanasia                                |
| C90371        | CERVICAL DISLOCATION   |                         | A method of euthanasia whereby the spinal column is dislocated from the skull and brain.   | Cervical Dislocation  |
| C90369        | CO2  |                         | A method of euthanasia whereby a subject inhales carbon dioxide until death occurs.  | Carbon Dioxide Euthanasia   |
| C90375        | DECAPITATION   |                         | A method of euthanasia whereby a subject's head is removed from the body.  | Decapitation  |
| C116113       | LETHAL INJECTION   |                         | A method of euthanasia whereby a subject is given a lethal injection to induce death.  | Lethal Injection Euthanasia   |
| C116114       | LETHAL INJECTION EXSANGUINATION                              |                         | A method of euthanasia whereby a subject is given a lethal injection and the body is drained of blood.   | Lethal Injection and Exsanguination Euthanasia                              |
| C116227       | LETHAL INJECTION INTRACARDIAC                                |                         | A method of euthanasia whereby a subject is given a lethal intracardiac injection to induce death.   | Intracardiac Lethal Injection Euthanasia                                    |

| C89975 MTHTRM |   |               |  |  |
|---------------|---|---------------|--|--|
| NCI Code      | CDISC Submission Value                                | CDISC Synonym | CDISC Definition   | NCI Preferred Term   |
| C116230       | LETHAL INJECTION<br>INTRACARDIAC<br>EXSANGUINATION    |               | A method of euthanasia whereby a subject is given a lethal intracardiac injection and the body is drained of blood.    | Intracardiac Lethal Injection and Exsanguination Euthanasia    |
| C116226       | LETHAL INJECTION<br>INTRAPERITONEAL                   |               | A method of euthanasia whereby a subject is given a lethal intraperitoneal injection to induce death.                  | Intraperitoneal Lethal Injection Euthanasia                    |
| C116229       | LETHAL INJECTION<br>INTRAPERITONEAL<br>EXSANGUINATION |               | A method of euthanasia whereby a subject is given a lethal intraperitoneal injection and the body is drained of blood. | Intraperitoneal Lethal Injection and Exsanguination Euthanasia |
| C116225       | LETHAL INJECTION<br>INTRAVENOUS                       |               | A method of euthanasia whereby a subject is given a lethal intravenous injection to induce death.                      | Intravenous Lethal Injection Euthanasia                        |
| C116228       | LETHAL INJECTION<br>INTRAVENOUS<br>EXSANGUINATION     |               | A method of euthanasia whereby a subject is given a lethal intravenous injection and the body is drained of blood.     | Intravenous Lethal Injection and Exsanguination Euthanasia     |

## NCDPHASE (Nonclinical DART Trial Phases)

NCI Code: C124321, Codelist extensible: Yes

| C124321 NCDPHASE |                        |                   |   |                                      |
|------------------|------------------------|-------------------|---|--------------------------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym     | CDISC Definition  | NCI Preferred Term                   |
| C124602          | GESTATION              |                   | The protocol defined period of time beginning with evidence of mating observation until cesarean section or delivery.   | Non-Clinical Gestation Trial Phase   |
| C124603          | PAIRING                |                   | The protocol defined period of time from the start of cohabitation until evidence of mating is observed or the animals are separated.                               | Non-Clinical Pairing Trial Phase     |
| C124604          | POSTNATAL              |                   | The protocol defined period of time in a study that begins immediately after the birth of the subject.  | Non-Clinical Postnatal Trial Phase   |
| C124605          | POSTPAIRING            | Post-cohabitation | The protocol defined period of time in a study that occurs after the paired subjects are separated. This includes all males and females with no evidence of mating. | Non-Clinical Postpairing Trial Phase |
| C124606          | PREMATING              | Pre-pairing       | The protocol defined period of time in a study prior to cohabitation.   | Non-Clinical Premating Trial Phase   |

## NCDSEX (Nonclinical DART Sex)

NCI Code: C124320, Codelist extensible: No

| C124320 NCDSEX |                        |               |   |                    |
|----------------|------------------------|---------------|---|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C46113         | FEMALE                 |               | Presence of female gonadal tissue or external phenotype.  | Female Phenotype   |
| C45909         | HERMAPHRODITE          |               | Presence of both male and female gonadal tissue. (Makris S, Solomon HM, Clark R, Shiota K, Barbellion S, Buschmann J, Ema M, Fujiwara M, Grote K, Hazelden KP, Hew KW, Horimoto M, Ooshima Y, Parkinson M, Wise LD. Terminology of developmental abnormalities in common laboratory mammals (Version 2). Part B. Birth Defects Res B Dev Reprod Toxicol. 2009 Aug;86(4):227-327.) | Hermaphrodite      |
| C48658         | INDETERMINATE          | Inconclusive  | Cannot distinguish between two or more possible values in the current context. (NCI)  | Indeterminate      |
| C46112         | MALE                   |               | Presence of male gonadal tissue or external phenotype.  | Male Phenotype     |

## ND (Not Done)

NCI Code: C66789, Codelist extensible: No

| <b>C66789</b> |                        | <b>ND</b>     |   |                    |
|---------------|------------------------|---------------|---|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C49484        | NOT DONE               |               | Indicates a task, process or examination that has either not been initiated or completed. (NCI) | Not Done           |

## NEOPLASM (Neoplasm Type)

NCI Code: C88025, Codelist extensible: Yes

| C88025 NEOPLASM |  |   |  |   |
|-----------------|--|---|--|---|
| NCI Code        | CDISC Submission Value                         | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C116215         | ACINAR-ISLET CELL TUMOR, BENIGN                |   | A benign tumor of the pancreas with morphologic characteristics of endocrine, acinar and ductal cells. (INHAND)  | Experimental Organism Benign Acinar-islet Cell Tumor  |
| C6878           | ACINAR-ISLET CELL TUMOR, MALIGNANT             |   | A malignant pancreatic neoplasm characterized by the presence of a mixture of acinar and islet cell elements.    | Mixed Acinar-Neuroendocrine Carcinoma of the Pancreas |
| C7644           | ADAMANTINOMA, MALIGNANT                        | Adamantinoma  | A low-grade malignant neoplasm composed of epithelial cells and a spindle cell osteo-fibrous proliferation.      | Adamantinoma  |
| C4200           | ADENOACANTHOMA, MALIGNANT                      | Adenoacanthoma  | A malignant neoplasm arising from glandular cells that includes focal or extensive areas of squamous metaplasia. | Adenocarcinoma with Squamous Metaplasia               |
| C3766           | ADENOCARCINOMA, CLEAR CELL, MALIGNANT          | Clear Cell Carcinoma;Mesonephroid Clear Cell Adenocarcinoma;Mesonephroid Clear Cell Carcinoma   | A malignant neoplasm comprising glandular epithelial clear cells.  | Clear Cell Adenocarcinoma                             |
| C7359           | ADENOCARCINOMA, ENDOMETRIAL, MALIGNANT         | Adenocarcinoma of Endometrium;Adenocarcinoma of the Endometrium   | A malignant glandular neoplasm of the uterine lining.  | Endometrial Adenocarcinoma                            |
| C2852           | ADENOCARCINOMA, MALIGNANT                      |   | A malignant neoplasm arising from glandular cells.   | Adenocarcinoma  |
| C26712          | ADENOCARCINOMA, MUCINOUS, MALIGNANT            | Colloid Adenocarcinoma;Colloid Carcinoma;Gelatinous Adenocarcinoma;Gelatinous Carcinoma;Mucinous Carcinoma;Muroid Adenocarcinoma;Muroid Carcinoma;Mucous Adenocarcinoma;Mucous Carcinoma  | An adenocarcinoma comprising neoplastic glandular cells containing intracytoplasmic mucin.                       | Mucinous Adenocarcinoma                               |
| C2853           | ADENOCARCINOMA, PAPILLARY, MALIGNANT           |   | An adenocarcinoma with papillary growth pattern.   | Papillary Adenocarcinoma                              |
| C40310          | ADENOCARCINOMA, SEBACEOUS, MALIGNANT           | Carcinoma of Sebaceous Gland;Carcinoma of the Sebaceous Gland;Sebaceous Gland Carcinoma   | An adenocarcinoma with sebaceous differentiation.  | Sebaceous Carcinoma                                   |
| C8984           | ADENOFIBROMA, BENIGN                           | Benign Mixed Muellerian Tumor   | Benign mixed neoplasm comprised of epithelial/glandular and mesenchymal structures.                              | Adenofibroma  |
| C4159           | ADENOLIPOMA, BENIGN                            |   | Benign mixed neoplasm comprised of epithelial/glandular and lipomatous structures.                               | Lipoadenoma   |
| C4196           | ADENOMA, ACINAR CELL, BENIGN                   | Acinar Adenoma;Acinic Cell Adenoma  | A benign glandular epithelial neoplasm comprising secretory cells forming acinar patterns.                       | Acinar Cell Adenoma                                   |
| C7580           | ADENOMA, ADNEXAL, BENIGN                       | Adenoma of Adnexa;Adenoma of Skin Appendage;Adnexal Adenoma   | A benign epithelial neoplasm arising from the sebaceous or sweat glands.   | Skin Appendage Adenoma                                |
| C9003           | ADENOMA, ADRENOCORTICAL, BENIGN                | Adenoma of Adrenal Cortex;Adenoma of Adrenal Gland;Adenoma of the Adrenal Cortex;Adenoma of the Adrenal Gland;Adrenal Adenoma;Adrenal Cortical Adenoma;Adrenal Gland Adenoma;Adrenocortical Adenoma;Benign Adenoma of Adrenal Gland;Benign Adenoma of the Adrenal Gland;Benign Adrenal Adenoma;Benign Adrenal Gland Adenoma;Cortical Cell Adenoma | A benign neoplasm arising from any of the adrenal cortical layers.   | Adrenal Cortex Adenoma                                |
| C3329           | ADENOMA, ANTERIOR LOBE PITUITARY GLAND, BENIGN | Adenoma of Pituitary;Adenoma of Pituitary Gland;Adenoma of the Pituitary;Adenoma of the Pituitary Gland;Pituitary Adenoma   | A benign neoplasm of the anterior lobe of the pituitary gland.   | Pituitary Gland Adenoma                               |

| C88025 NEOPLASM |  |   |  |   |
|-----------------|--|---|--|---|
| NCI Code        | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                |
| C2855           | ADENOMA, BENIGN                          |   | A benign neoplasm arising from epithelium.   | Adenoma   |
| C3494           | ADENOMA, BRONCHIAL, BENIGN               |   | A benign neoplasia of the lung, arising from bronchial epithelium.                                       | Lung Papillary Adenoma                            |
| C4140           | ADENOMA, BRONCHIOALVEOLAR, BENIGN        | Adenoma of Alveoli;Adenoma of the Alveoli   | A benign lung neoplasm arising from the alveolar/bronchiolar epithelium.                                 | Alveolar Adenoma                                  |
| C46101          | ADENOMA, C-CELL, BENIGN                  | Parafollicular Cell Adenoma   | A benign neoplasm arising from C-cells of the thyroid gland.   | Neoplastic C-Cell Hyperplasia                     |
| C6088           | ADENOMA, CERUMINOUS GLAND, BENIGN        | Ceruminoma;Ceruminous Adenoma;Ceruminous Adenoma of External Auditory Canal;Ceruminous Adenoma of the External Auditory Canal   | A benign epithelial neoplasm derived from ceruminous glands in the external auditory canal.              | External Auditory Canal Ceruminous Adenoma        |
| C4151           | ADENOMA, CLEAR CELL, BENIGN              |   | A benign neoplasm comprising glands containing epithelial clear cells.                                   | Clear Cell Adenoma                                |
| C127811         | ADENOMA, ENDOMETRIAL, BENIGN             |   | A benign epithelial neoplasm arising from the endometrium.   | Experimental Organism Benign Endometrial Adenoma  |
| C3502           | ADENOMA, FOLLICULAR CELL, BENIGN         | Adenoma of Thyroid;Adenoma of Thyroid Gland;Adenoma of the Thyroid;Adenoma of the Thyroid Gland;Follicular Adenoma;Follicular Adenoma of Thyroid;Follicular Adenoma of Thyroid Gland;Follicular Adenoma of the Thyroid;Follicular Adenoma of the Thyroid Gland;Thyroid Adenoma;Thyroid Follicular Adenoma;Thyroid Gland Adenoma | A benign neoplasm arising from follicular cells of the thyroid gland.                                    | Thyroid Gland Follicular Adenoma                  |
| C3758           | ADENOMA, HEPATOCELLULAR, BENIGN          | Adenoma of Liver Cells;Adenoma of the Liver Cells;HCA;Liver Cell Adenoma  | A benign epithelial neoplasm arising from hepatocytes.   | Hepatocellular Adenoma                            |
| C7126           | ADENOMA, HEPATOCHOLANGIOCELLULAR, BENIGN |   | A benign neoplasm arising from the intrahepatic bile duct.   | Intrahepatic Bile Duct Adenoma                    |
| C114108         | ADENOMA, ISLET CELL, BENIGN              | Islet Cell Adenoma  | A benign neoplasm arising from the islet cells of the pancreas.  | Experimental Organism Islet Cell Adenoma Neoplasm |
| C46119          | ADENOMA, LIGHT CELL, BENIGN              |   | A benign epithelial neoplasm of the thyroid gland comprising follicular cells with cytoplasmic clearing. | Thyroid Gland Clear Cell Follicular Adenoma       |
| C2973           | ADENOMA, MUCINOUS, BENIGN                | Mucinous Adenoma;Mucinous Cystoma;Pseudomucinous Cystadenoma  | A benign, cystic epithelial neoplasm comprising cells containing intracytoplasmic mucin.                 | Mucinous Cystadenoma                              |
| C79951          | ADENOMA, PAPILLARY, BENIGN               |   | A benign epithelial neoplasm characterized by the presence of papillary epithelial patterns.             | Papillary Adenoma                                 |
| C60490          | ADENOMA, PARS DISTALIS, BENIGN           | Rat Pars Distalis Adenoma   | A benign epithelial neoplasm arising from the pars distalis of the anterior pituitary gland.             | Rat Pars Distalis Adenoma                         |
| C60493          | ADENOMA, PARS INTERMEDIA, BENIGN         | Rat Pars Intermedia Adenoma   | A benign epithelial neoplasm arising from the pars intermedia of the anterior pituitary gland.           | Rat Pars Intermedia Adenoma                       |
| C98723          | ADENOMA, PITUITARY GLAND, BENIGN         |   | A benign neoplasm of the pituitary gland.  | Experimental Organism Pituitary Gland Adenoma     |
| C8383           | ADENOMA, RENAL CELL, BENIGN              | Renal Tubule Adenoma  | A benign neoplasm arising from the renal cortex.   | Kidney Adenoma                                    |



| C88025 NEOPLASM |                                       |  |  |  |
|-----------------|---------------------------------------|--|--|--|
| NCI Code        | CDISC Submission Value                | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                               |
| C40018          | ADENOMA, RETE OVARI, BENIGN           |  | A benign adenoma arising from the rete ovarii, generally composed of intratubular mass(es) that distend the tubule.        | Rete Ovarii Adenoma                              |
| C39956          | ADENOMA, RETE TESTIS, BENIGN          |  | A benign epithelial neoplasm arising from the rete testis.   | Rete Testis Adenoma                              |
| C4174           | ADENOMA, SEBACEOUS, BENIGN            | Adenoma of Sebaceous Gland;Adenoma of the Sebaceous Gland;Sebaceous Gland Adenoma;Skin Appendage Sebaceous Adenoma | A benign neoplasm arising from sebaceous glands.   | Sebaceous Adenoma                                |
| C92180          | ADENOMA, SERTOLIFORM TUBULAR, BENIGN  | Rat Sertoliform Tubular Adenoma  | A benign tubular adenoma with Sertoli cell differentiation.  | Rat Sertoliform Tubular Adenoma                  |
| C7560           | ADENOMA, SWEAT GLAND, BENIGN          | Adenoma of Sweat Gland;Adenoma of the Sweat Gland  | A benign epithelial neoplasm arising from sweat glands.  | Sweat Gland Adenoma                              |
| C4133           | ADENOMA, TUBULAR CELL, BENIGN         |  | A benign neoplasm arising from glandular epithelium, characterized by a tubular architectural pattern.                     | Tubular Adenoma                                  |
| C79953          | ADENOMA, TUBULOSTROMAL, BENIGN        |  | A benign ovarian epithelial neoplasm characterized by the presence of tubular structures and interstitial stroma.          | Tubulostromal Adenoma                            |
| C98800          | ADENOMA, ZYMBAL'S GLAND, BENIGN       |  | A benign neoplasm of the rodent Zymbal's gland with sebaceous and/or squamous differentiation.                             | Zymbal's Gland Adenoma                           |
| C124607         | ADENOMYOEPITHELIOMA, BENIGN           |  | A benign neoplasm characterized by the proliferation of myoepithelial cells and glandular epithelial cells.                | Experimental Organism Benign Adenomyoepithelioma |
| C3726           | ADENOMYOMA, BENIGN                    |  | A benign neoplasm characterized by the presence of a glandular and a mesenchymal component.                                | Adenomyoma                                       |
| C83488          | ADRENAL TUMOR, SUBCAPSULAR, BENIGN    | Subcapsular Single Cell Adenoma, Adrenal   | A benign neoplasm located beneath the adrenal capsule.   | Benign Subcapsular Adrenal Tumor                 |
| C83489          | ADRENAL TUMOR, SUBCAPSULAR, MALIGNANT | Subcapsular Single Cell Carcinoma, Adrenal   | A malignant neoplasm located beneath the adrenal capsule.  | Malignant Subcapsular Adrenal Tumor              |
| C7111           | AMELOBLASTOMA, BENIGN                 |  | A benign odontogenic neoplasm arising from the epithelial component of the embryonic tooth.                                | Benign Ameloblastoma                             |
| C54297          | AMELOBLASTOMA, MALIGNANT              | Malignant Ameloblastoma  | A malignant odontogenic neoplasm arising from the epithelial component of the embryonic tooth.                             | Metastasizing Ameloblastoma                      |
| C3799           | ANGIOFIBROMA, BENIGN                  | Angiofibromatous Hyperplasia;Fibroangioma, Benign;Fibrous Papule;Telangiectatic Fibroma                            | A benign, morphologic variant of fibroma characterized by the presence of numerous dilated vascular channels.              | Angiofibroma                                     |
| C3733           | ANGIOLIPOMA, BENIGN                   | Angiolipoma  | A lipoma characterized by prominent vascularization.   | Angiolipoma                                      |
| C9477           | ASTROCYTOMA, ANAPLASTIC, MALIGNANT    | Grade III Astrocytic Neoplasm;Grade III Astrocytic Tumor;Grade III Astrocytoma;Malignant Astrocytoma               | A malignant neoplasm of the brain or spinal cord originating from astrocytes, exhibiting poor differentiation (anaplasia). | Anaplastic Astrocytoma                           |

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| NCI Code        | CDISC Submission Value                 | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                       |
| C7173           | ASTROCYTOMA, DIFFUSE, MALIGNANT        | Astrocytoma, Diffuse  | A malignant astrocytic neoplasm characterized by a high degree of cellular differentiation, slow growth, and diffuse infiltration of neighboring brain structures. | Diffuse Astrocytoma                                      |
| C119574         | ASTROCYTOMA, MALIGNANT                 |   | A malignant neoplasm of the brain or spinal cord originating from astrocytes.  | Experimental Organism<br>Malignant Astrocytoma           |
| C4047           | ASTROCYTOMA, PILOCYTIC, BENIGN         | Astrocytoma, Benign;Grade I Astrocytic Neoplasm;Grade I Astrocytic Tumor;Grade I Astrocytoma  | A benign neoplasm of the brain or spinal cord arising from astrocytes associated with single or multiple cysts.  | Pilocytic Astrocytoma                                    |
| C111198         | BASAL CELL TUMOR, BENIGN               | Adenoma, Basal Cell, Benign   | A benign epithelial neoplasm with a uniform, monomorphic appearance that is dominated by basal cells.  | Experimental Organism<br>Basal Cell Adenoma              |
| C103391         | BASALIOMA, BENIGN                      | Basalioma   | A benign epithelial neoplasm arising from primary epithelial germ cells of the pilary complex.   | Experimental Organism<br>Benign Basalioma                |
| C4614           | BASOSQUAMOUS TUMOR, BENIGN             | Cutaneous Papilloma;Papilloma of Skin;Papilloma of the Skin   | A benign papillary neoplasm of the skin.   | Skin Papilloma   |
| C2922           | BASOSQUAMOUS TUMOR, MALIGNANT          | Basosquamous Carcinoma;Basosquamous Cell Carcinoma;Skin Mixed Basal and Squamous Cell Carcinoma   | A basal cell carcinoma (skin neoplasm) which displays squamous differentiation.  | Skin Basosquamous Cell Carcinoma                         |
| C114109         | CARCINOMA, ACIDOPHIL, MALIGNANT        | Acidophil Adenocarcinoma;Acidophil Carcinoma;Eosinophil Adenocarcinoma;Eosinophil Carcinoma   | A malignant epithelial neoplasm of the anterior pituitary gland in which the neoplastic cells stain positive with acidic dyes.                                     | Experimental Organism<br>Acidophil Carcinoma<br>Neoplasm |
| C3768           | CARCINOMA, ACINAR CELL, MALIGNANT      | Acinar Adenocarcinoma;Acinar Carcinoma;Acinar Cell Adenocarcinoma;Acinic Cell Adenocarcinoma;Acinic Cell Carcinoma  | A malignant glandular epithelial neoplasm comprising secretory cells forming acinar patterns.  | Acinar Cell Carcinoma                                    |
| C3727           | CARCINOMA, ADENOSQUAMOUS, MALIGNANT    | Mixed Adenocarcinoma and Epidermoid Carcinoma;Mixed Adenocarcinoma and Epidermoid Cell Carcinoma;Mixed Adenocarcinoma and Squamous Carcinoma;Mixed Adenocarcinoma and Squamous Cell Carcinoma   | An epithelial neoplasm composed of malignant glandular and malignant squamous cells.   | Adenosquamous Carcinoma                                  |
| C3775           | CARCINOMA, ADNEXAL, MALIGNANT          | Carcinoma of Adnexa;Carcinoma of Skin Appendage;Skin Appendage Carcinoma  | A malignant epithelial neoplasm arising from sebaceous or sweat glands or from hair follicles.   | Adnexal Carcinoma  |
| C9325           | CARCINOMA, ADRENOCORTICAL, MALIGNANT   | Adenocarcinoma, Adrenocortical, Malignant;Adrenal Cortex Adenocarcinoma;Adrenal Cortex Cancer;Adrenal Cortical Adenocarcinoma;Adrenal Cortical Carcinoma;Adrenocortical Carcinoma;Cortical Cell Carcinoma   | A malignant epithelial neoplasm arising from adrenal cortical cells.   | Adrenal Cortex Carcinoma                                 |
| C111199         | CARCINOMA, BASAL CELL, MALIGNANT       | BCC;Basal Cell Cancer;Basal Cell Carcinoma;Basal Cell Epithelioma;Basal Cell Skin Carcinoma   | A malignant epithelial neoplasm arising from basal cells.  | Experimental Organism<br>Basal Cell Carcinoma            |
| C35875          | CARCINOMA, BRONCHIAL, MALIGNANT        |   | A malignant neoplasia of the lung, arising from bronchial epithelium.  | Bronchogenic Carcinoma                                   |
| C2923           | CARCINOMA, BRONCHIOALVEOLAR, MALIGNANT | BAC;Bronchioalveolar Adenocarcinoma of Lung;Bronchioalveolar Adenocarcinoma of the Lung;Bronchioalveolar Lung Carcinoma;Bronchiolo-Alveolar Carcinoma of Lung;Bronchiolo-Alveolar Carcinoma of the Lung;Bronchiolo-Alveolar Lung Carcinoma;Bronchioloalveolar Adenocarcinoma of Lung;Bronchioloalveolar Adenocarcinoma of the Lung;Bronchioloalveolar Lung Adenocarcinoma | A malignant lung neoplasm originating from the alveolar/bronchiolar epithelium.  | Bronchioloalveolar Carcinoma                             |

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| NCI Code        | CDISC Submission Value                        | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C3879           | CARCINOMA, C-CELL, MALIGNANT                  | C Cell Carcinoma;MTC;Medullary Carcinoma;Medullary Carcinoma of Thyroid;Medullary Carcinoma of Thyroid Gland;Medullary Carcinoma of the Thyroid;Medullary Carcinoma of the Thyroid Gland;Medullary Thyroid Cancer;Medullary Thyroid Carcinoma;Medullary Thyroid Gland Carcinoma;Parafollicular Cell Carcinoma;Thyroid Gland Neuroendocrine Carcinoma;Thyroid Medullary Carcinoma   | A neuroendocrine malignant epithelial neoplasm arising from C-cells of the thyroid gland.  | Thyroid Gland Medullary Carcinoma                                 |
| C4176           | CARCINOMA, CERUMINOUS GLAND, MALIGNANT        |  | A malignant neoplasm derived from ceruminous glands in the external auditory canal.  | Ceruminous Adenocarcinoma   |
| C4715           | CARCINOMA, CHOROID PLEXUS, MALIGNANT          | Anaplastic Choroid Plexus Papilloma;Cancer of Choroid Plexus;Cancer of the Choroid Plexus;Carcinoma of Choroid Plexus;Carcinoma of the Choroid Plexus;Choroid Plexus Cancer  | A malignant neoplasm arising from the choroid plexus of the brain.   | Choroid Plexus Carcinoma  |
| C27255          | CARCINOMA, ECCRINE GLAND, MALIGNANT           |  | A malignant carcinoma with eccrine differentiation arising from the sweat glands.  | Eccrine Carcinoma   |
| C3752           | CARCINOMA, EMBRYONAL, MALIGNANT               | Carcinoma, Embryonal, Malignant  | A non-seminomatous malignant germ cell neoplasm of the testis or ovary.  | Embryonal Carcinoma   |
| C7558           | CARCINOMA, ENDOMETRIAL, MALIGNANT             | Carcinoma of Endometrium;Carcinoma of the Endometrium  | A malignant epithelial neoplasm arising from the lining of the uterine body cavity.  | Endometrial Carcinoma   |
| C8054           | CARCINOMA, FOLLICULAR CELL, MALIGNANT         | Follicular Adenocarcinoma;Follicular Cancer of Thyroid;Follicular Cancer of Thyroid Gland;Follicular Cancer of the Thyroid;Follicular Cancer of the Thyroid Gland;Follicular Carcinoma;Follicular Carcinoma of Thyroid;Follicular Carcinoma of Thyroid Gland;Follicular Carcinoma of the Thyroid;Follicular Carcinoma of the Thyroid Gland;Follicular Thyroid Cancer;Follicular Thyroid Carcinoma;Follicular Thyroid Gland Carcinoma;Thyroid Follicular Carcinoma;Well-differentiated Follicular Adenocarcinoma;Well-differentiated Follicular Carcinoma | A malignant neoplasia arising from follicular cells of the thyroid gland.  | Thyroid Gland Follicular Carcinoma                                |
| C3099           | CARCINOMA, HEPATOCELLULAR, MALIGNANT          | Carcinoma of Liver Cells;Carcinoma of the Liver Cells;HCC;Hepatoma;Liver Cell Carcinoma;Primary Carcinoma of Liver Cells;Primary Carcinoma of the Liver Cells  | A malignant neoplasm arising from hepatocytes.   | Hepatocellular Carcinoma  |
| C103393         | CARCINOMA, HEPATOCHOLANGIOCELLULAR, MALIGNANT | Hepatocholangiocellular Carcinoma  | A malignant mixed neoplasm of the liver comprising neoplastic hepatocytes and bile duct epithelial cells; both elements displaying evidence of malignancy. | Experimental Organism Malignant Hepatocholangiocellular Carcinoma |
| C2917           | CARCINOMA, IN SITU, MALIGNANT                 | CIS;Epithelial Tumor, In situ, Malignant;Intraepithelial Carcinoma;Non-invasive Carcinoma  | A malignant epithelial neoplasm confined to the epithelial layer and without evidence of further tissue invasion.  | Carcinoma In Situ   |
| C3770           | CARCINOMA, ISLET CELL, MALIGNANT              | Islet Cell Cancer;Islet Cell Carcinoma;Malignant Islet Cell Tumor;Malignant Pancreatic Endocrine Tumor;Pancreatic Neuroendocrine Carcinoma   | A malignant endocrine neoplasm arising from islets of Langerhans of the pancreas.  | Pancreatic Neuroendocrine Carcinoma                               |
| C2916           | CARCINOMA, MALIGNANT                          | Epithelial Carcinoma;Epithelioma Malignant;Malignant Epithelial Neoplasm;Malignant Epithelial Tumor;Malignant Epithelioma  | A malignant epithelial neoplasm.   | Carcinoma   |
| C124608         | CARCINOMA, NEUROEPITHELIAL, MALIGNANT         |  | A malignant carcinoma that arises from the olfactory epithelium, from either sensory and/or sustentacular cells.   | Experimental Organism Malignant Neuroepithelial Carcinoma         |
| C60491          | CARCINOMA, PARS DISTALIS, MALIGNANT           | Rat Pars Distalis Carcinoma  | A malignant epithelial neoplasm arising from the pars distalis of the pituitary gland.   | Rat Pars Distalis Carcinoma                                       |

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| NCI Code        | CDISC Submission Value                       | CDISC Synonym   | CDISC Definition   | NCI Preferred Term  |
| C92183          | CARCINOMA, PARS INTERMEDIA, MALIGNANT        | Rat Pars Intermedia Carcinoma   | A malignant epithelial neoplasm arising from the pars intermedia of the pituitary gland.                                   | Rat Pars Intermedia Carcinoma                             |
| C9385           | CARCINOMA, RENAL CELL, MALIGNANT             | Adenocarcinoma of Kidney;Adenocarcinoma of the Kidney;Kidney Adenocarcinoma;RCC;Renal Cell Adenocarcinoma;Renal Cell Cancer;Renal Cell Carcinoma, Stage Unspecified   | A malignant neoplasm arising from renal parenchyma.  | Renal Cell Carcinoma                                      |
| C39807          | CARCINOMA, RENAL, TUBULAR, MALIGNANT         | Mucinous Tubular and Spindle Cell Carcinoma of the Kidney   | A malignant neoplasm of the kidney, characterized by the presence of tubules.  | Mucinous Tubular and Spindle Cell Carcinoma of the Kidney |
| C8955           | CARCINOMA, RETE TESTIS, MALIGNANT            |   | A malignant carcinoma that arises from the rete testis.  | Rete Testis Adenocarcinoma                                |
| C27004          | CARCINOMA, SPINDLE CELL, MALIGNANT           | Pseudosarcomatous Carcinoma;Spindle Cell Carcinoma  | A malignant epithelial neoplasm characterized by the presence of spindle cells.  | Sarcomatoid Carcinoma                                     |
| C27093          | CARCINOMA, SQUAMOUS CELL, IN SITU, MALIGNANT | Epidermoid Carcinoma In situ;Epidermoid Cell Carcinoma In situ;Grade 3 Squamous Intraepithelial Neoplasia;Grade III Squamous Intraepithelial Neoplasia;Intraepithelial Squamous Cell Carcinoma;Squamous Carcinoma In situ;Squamous Cell Carcinoma In situ | A malignant epithelial neoplasm confined to the squamous epithelium, without invasion of underlying tissues.               | Stage 0 Squamous Cell Carcinoma                           |
| C2929           | CARCINOMA, SQUAMOUS CELL, MALIGNANT          | Epidermoid Carcinoma;Epidermoid Cell Cancer;Malignant Epidermoid Cell Neoplasm;Malignant Epidermoid Cell Tumor;Malignant Squamous Cell Neoplasm;Malignant Squamous Cell Tumor;Squamous Carcinoma;Squamous Cell Cancer;Squamous Cell Epithelioma           | A malignant neoplasm arising from squamous epithelial cells.   | Squamous Cell Carcinoma                                   |
| C6938           | CARCINOMA, SWEAT GLAND, MALIGNANT            | Carcinoma of Sweat Gland;Carcinoma of the Sweat Gland   | A malignant neoplasm arising from sweat glands.  | Sweat Gland Carcinoma                                     |
| C65192          | CARCINOMA, TUBULAR CELL, MALIGNANT           |   | A malignant glandular neoplasm exhibiting tubular structures.  | Tubular Adenocarcinoma                                    |
| C80356          | CARCINOMA, TUBULOSTROMAL, MALIGNANT          |   | A malignant epithelial neoplasm of the ovary with tubular and stromal neoplastic components.                               | Tubulostromal Adenocarcinoma                              |
| C3692           | CARCINOMA, UNDIFFERENTIATED, MALIGNANT       | Anaplastic Carcinoma;Carcinoma, Undifferentiated  | A malignant epithelial neoplasm exhibiting poor differentiation (anaplasia).   | Undifferentiated Carcinoma                                |
| C2930           | CARCINOMA, UROTHELIAL, MALIGNANT             | Transitional Cell Carcinoma   | A malignant neoplasm arising from transitional epithelium, usually affecting the urinary bladder, ureter, or renal pelvis. | Transitional Cell Carcinoma                               |
| C98801          | CARCINOMA, ZYMBAL'S GLAND                    |   | A malignant neoplasm of the rodent Zymbal's gland with sebaceous and/or squamous differentiation.                          | Zymbal's Gland Carcinoma                                  |
| C34448          | CARCINOSARCOMA, MALIGNANT                    |   | A malignant neoplasm comprising a mixture of carcinomatous and sarcomatous elements.                                       | Carcinosarcoma  |
| C5358           | CARDIAC SCHWANNOMA, BENIGN                   | Schwannoma, Endocardial, Benign   | A benign peripheral nervous system neoplasm that is composed of well-differentiated Schwann cells and affects the heart.   | Benign Cardiac Schwannoma                                 |
| C5367           | CARDIAC SCHWANNOMA, MALIGNANT                |   | A malignant peripheral nerve sheath tumor that arises in cardiac tissue.   | Malignant Cardiac Peripheral Nerve Sheath Tumor           |
| C79950          | CHEMODECTOMA, BENIGN                         | Benign Chemodectoma   | A benign neoplasm of the chemoreceptor system (e.g. carotid body, glomus jugulare, glomus vagale).                         | Benign Carotid Body Paraganglioma                         |

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| NCI Code        | CDISC Submission Value                      | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                         |
| C3574           | CHEMODECTOMA, MALIGNANT                     | Malignant Carotid Body Neoplasm;Malignant Carotid Body Tumor;Malignant Neoplasm of Carotid Body;Malignant Neoplasm of the Carotid Body;Malignant Tumor of Carotid Body;Malignant Tumor of the Carotid Body | A malignant neoplasm of the chemoreceptor system (e.g. carotid body, glomus jugulare, glomus vagale).   | Malignant Carotid Body Paranglioma         |
| C35417          | CHOLANGIOCARCINOMA, INTRAHEPATIC, MALIGNANT | Intrahepatic Bile Duct Carcinoma;Intrahepatic Carcinoma of Bile Duct;Intrahepatic Carcinoma of the Bile Duct   | A malignant neoplasm of the liver arising from/comprising cells resembling those of bile ducts.   | Intrahepatic Cholangiocarcinoma            |
| C4436           | CHOLANGIOCARCINOMA, MALIGNANT               | Cholangiocellular Carcinoma  | A malignant neoplasm arising from/comprising cells resembling those of bile ducts.  | Cholangiocarcinoma                         |
| C2942           | CHOLANGIOMA, BENIGN                         | Adenoma of Bile Duct;Adenoma of the Bile Duct;Cholangioadenoma;Cholangioma;Hepatocholangi ocellular Adenoma;Hepatocholangioma  | A benign neoplasm arising from/comprising cells resembling those of bile ducts.   | Bile Duct Adenoma                          |
| C53459          | CHONDROMA, BENIGN                           |  | A benign, well circumscribed neoplasm arising from the hyaline cartilage in soft tissue or bone. It is characterized by the presence of chondrocytes. | Chondroma                                  |
| C2946           | CHONDROSARCOMA, MALIGNANT                   |  | A malignant mesenchymal neoplasm arising from cartilage-forming tissues.  | Chondrosarcoma                             |
| C60334          | CHORDOMA, BENIGN                            |  | A benign bone neoplasm arising from the remnants of the fetal notochord.  | Rat Benign Chordoma                        |
| C2947           | CHORDOMA, MALIGNANT                         |  | A malignant bone neoplasm arising from the remnants of the fetal notochord.   | Chordoma                                   |
| C2948           | CHORIOCARCINOMA, MALIGNANT                  | Chorioepithelioma  | A malignant neoplasm arising from placental trophoblast cells. They generally arise in the uterus.  | Choriocarcinoma                            |
| C53684          | CONNECTIVE AND SOFT TISSUE NEOPLASM, BENIGN | Benign Connective and Soft Tissue Neoplasm;Benign Connective and Soft Tissue Tumor;Benign Mesenchymal Cell Neoplasm;Benign Neoplasm of the Soft Tissue and Bone;Benign Tumor of the Soft Tissue and Bone   | A benign neoplasm arising from connective and soft tissues that does not invade adjacent tissues or metastasize to other anatomic sites.              | Benign Connective and Soft Tissue Neoplasm |
| C2964           | CRANIOPHARYNGIOMA, BENIGN                   | Cystoma;Neoplasm of Rathke's Pouch;Rathke Pouch Neoplasm;Rathke Pouch Tumor;Rathke's Pouch Neoplasm;Rathke's Pouch Tumor;Tumor of Rathke's Pouch   | A benign epithelial neoplasm of the sellar region, presumably derived from Rathke pouch epithelium.   | Craniopharyngioma                          |
| C79949          | CRANIOPHARYNGIOMA, MALIGNANT                | Carcinoma Arising From Craniopharyngioma   | A malignant epithelial neoplasm of the sellar region, presumably derived from Rathke pouch epithelium.  | Carcinoma Arising from Craniopharyngioma   |
| C2971           | CYSTADENOCARCINOMA, MALIGNANT               |  | A malignant cystic epithelial neoplasm arising from glandular epithelium.   | Cystadenocarcinoma                         |
| C3777           | CYSTADENOCARCINOMA, PAPILLARY, MALIGNANT    |  | A malignant cystic epithelial neoplasm arising from glandular epithelium exhibiting papillary structures.   | Papillary Cystadenocarcinoma               |
| C2972           | CYSTADENOMA, BENIGN                         | Cystoma  | A benign cystic epithelial neoplasm arising from glandular epithelium.  | Cystadenoma                                |

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| NCI Code        | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C2974           | CYSTADENOMA, PAPILLARY, BENIGN           |   | A benign cystic epithelial neoplasm arising from glandular epithelium exhibiting papillary structures.                               | Papillary Cystadenoma                                 |
| C3555           | DECIDUOMA, MALIGNANT                     | Malignant Neoplasm of Placenta;Malignant Neoplasm of the Placenta;Malignant Placental Neoplasm;Malignant Placental Tumor;Malignant Tumor of Placenta;Malignant Tumor of the Placenta  | A malignant neoplasm arising from decidua (placental) cells.   | Malignant Placental Neoplasm                          |
| C9011           | DERMOID CYST, BENIGN                     | Benign Cystic Teratoma;Dermoid;Mature Cystic Teratoma   | A benign neoplasm comprised of a cyst, lined by mature epidermis-like tissue with dermal appendages.                                 | Dermoid Cyst  |
| C2996           | DYSGERMINOMA, MALIGNANT                  |   | A malignant germ cell neoplasm characterized by the presence of a monotonous primitive germ cell population, primarily in the ovary. | Dysgerminoma  |
| C4049           | EPENDYMOMA, ANAPLASTIC, MALIGNANT        | Anaplastic Ependymal Neoplasm;Anaplastic Ependymal Tumor;Malignant Ependymoma;Undifferentiated Ependymal Neoplasm;Undifferentiated Ependymal Tumor;Undifferentiated Ependymoma;Who Grade III Ependymal Neoplasm;Who Grade III Ependymal Tumor | A malignant neoplasm of ependymal origin with anaplastic cellular morphology.  | Anaplastic Ependymoma                                 |
| C3697           | EPENDYMOMA, BENIGN                       |   | A benign neoplasm of ependymal origin.   | Myxopapillary Ependymoma                              |
| C119575         | EPENDYMOMA, MALIGNANT                    |   | A malignant neoplasm of ependymal origin.  | Experimental Organism Malignant Ependymoma            |
| C124609         | EPITHELIAL-STROMAL TUMOR, BENIGN         |   | A benign neoplasm that arises from the mesenchymal and epithelial components and contains two or more cell types.                    | Experimental Organism Benign Epithelial Stromal Tumor |
| C4092           | EPITHELIOMA, BENIGN                      | Benign Epithelial Tumor;Benign Epithelioma;Benign Neoplasm of Epithelium;Benign Neoplasm of the Epithelium;Benign Tumor of Epithelium;Benign Tumor of the Epithelium  | A benign neoplasm arising from epithelial cells of the skin.   | Benign Epithelial Neoplasm                            |
| C80349          | EPITHELIOMA, CYSTIC KERATINIZING, BENIGN |   | A benign cystic epithelial neoplasm featuring a central keratin mass surrounded by squamous epithelium.                              | Cystic Keratinizing Epithelioma                       |
| C84356          | EPITHELIOMA, NON-KERATINIZING, BENIGN    |   | A benign cystic epithelial neoplasm characterized by the absence of keratin production.  | Non-Keratinizing Epithelioma                          |
| C2928           | FIBROADENOCARCINOMA, MALIGNANT           | Adenocarcinoma With Productive Fibrosis;Fibrocarcinoma;Scirrhus Carcinoma   | A malignant neoplasm originating from glandular cells with a fibrous or fibroblastic component.                                      | Scirrhus Adenocarcinoma                               |
| C3744           | FIBROADENOMA, BENIGN                     | Breast Fibroadenoma;Fibroadenoma of Breast;Fibroadenoma of the Breast   | A benign neoplasm originating from glandular cells with a fibrous or fibroblastic component.   | Fibroadenoma  |
| C4249           | FIBROLIPOMA, BENIGN                      |   | A benign neoplasm comprising mature adipocytes, characterized by areas of abundant fibrous tissue.                                   | Fibrolipoma   |
| C3041           | FIBROMA, BENIGN                          |   | A benign neoplasm arising from fibrous tissue.   | Fibroma   |

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| C4314           | FIBROMA, ODONTOGENIC, BENIGN     | Central Odontogenic Fibroma   | A benign intraosseous neoplasm arising from tooth-forming tissues in the mandible and maxilla, characterized by the presence of islands of odontogenic epithelium.               | Odontogenic Fibroma                           |
| C8422           | FIBROMA, OSSIFYING, BENIGN       | Cementifying Fibroma;Cemento-Ossifying Fibroma;Ossifying Fibroma  | A benign fibrous neoplasm characterized by a mineralized component (woven bone, lamellar bone, or cementum-like material).   | Ossifying Fibroma                             |
| C66760          | FIBROMYXOMA, BENIGN              | Fibromyxoma   | A benign soft-tissue neoplasm of uncertain lineage, characterized by the presence of neoplastic spindle-shaped to round cells and a fibromyxoid stroma.                          | Fibromyxoid Tumor                             |
| C3337           | FIBROPAPILLOMA, BENIGN           |   | A benign polypoid tumor comprising fibrous tissue and epithelium.  | Fibroepithelial Polyp                         |
| C3043           | FIBROSARCOMA, MALIGNANT          |   | A malignant mesenchymal neoplasm of the soft tissue and bone.  | Fibrosarcoma                                  |
| C119576         | GANGLIOGLIOMA, BENIGN            |   | A benign neoplasm comprised of ganglion and glial cells.   | Experimental Organism<br>Benign Ganglioglioma |
| C3790           | GANGLIONEUROBLASTOMA , MALIGNANT |   | A malignant neoplasm characterized by the presence of neuroblastic and ganglion cells and a stroma with Schwannian differentiation.  | Ganglioneuroblastoma                          |
| C3049           | GANGLIONEUROMA, BENIGN           | Neural Crest Tumor, Benign  | A benign neoplasm characterized by the presence of ganglion cells and spindle cell proliferation, located primarily in the brain, ganglia, or adrenal medulla.                   | Ganglioneuroma                                |
| C121932         | GIANT CELL TUMOR, BENIGN         | Benign Bone Giant Cell Tumor;Osteoclastoma, Benign  | A benign neoplasm of bone comprised of giant cells (osteoclast-like) and mononuclear cells.  | Giant Cell Tumor of Bone                      |
| C4090           | GIANT CELL TUMOR, MALIGNANT      | Malignant Giant Cell Tumor  | A malignant neoplasm of bone comprised of giant cells (osteoclast-like) and mononuclear cells.   | Malignant Giant Cell Neoplasm                 |
| C4822           | GLIOMA, MALIGNANT                | Malignant Glial Neoplasm;Malignant Glial Tumor;Malignant Neuroglial Neoplasm;Malignant Neuroglial Tumor | A malignant neuroglial neoplasm. The term can apply to several primary neoplasm of the brain and spinal cord, including astrocytoma and oligodendroglioma in addition to others. | Malignant Glioma                              |
| C3252           | GRANULAR CELL TUMOR, BENIGN      | Benign Granular Cell Myoblastoma;Benign Granular Cell Neoplasm;Benign Granular Cell Tumor;Myoblastoma   | A benign neoplasm, comprised of large cells with cytoplasmatic granules, occurring in various organs/tissues.  | Benign Granular Cell Tumor                    |
| C4336           | GRANULAR CELL TUMOR, MALIGNANT   | Malignant Granular Cell Myoblastoma;Malignant Granular Cell Neoplasm;Myoblastoma, Malignant             | A malignant neoplasm, comprised of large cells with cytoplasmatic granules, occurring in various organs/tissues.   | Malignant Granular Cell Tumor                 |
| C60340          | GRANULOSA CELL TUMOR, BENIGN     |   | A benign neoplasm of the ovary, originating from granulosa cells.  | Rat Benign Granulosa Cell Tumor               |

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| NCI Code        | CDISC Submission Value            | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C4205           | GRANULOSA CELL TUMOR, MALIGNANT   | Malignant Granulosa Cell Tumor   | A malignant neoplasm of the ovary, originating from granulosa cells.   | Malignant Granulosa Cell Tumor                              |
| C27520          | HAIR FOLLICLE NEOPLASM, BENIGN    | Benign Follicular Neoplasm; Benign Follicular Tumor; Benign Hair Follicle Tumor  | A benign neoplasm that arises from the hair follicle.  | Benign Hair Follicle Neoplasm                               |
| C43310          | HAIR FOLLICLE NEOPLASM, MALIGNANT | Malignant Hair Follicle Tumor  | A malignant neoplasm that arises from the hair follicle.   | Malignant Hair Follicle Neoplasm                            |
| C3085           | HEMANGIOMA, BENIGN                | Angioma; Benign Angioma; Benign Hemangioma   | A benign vascular neoplasm characterized by the formation of capillary-sized or cavernous vascular channels.   | Hemangioma  |
| C4300           | HEMANGIOPERICYTOMA, BENIGN        |  | A benign neoplasm originating from vascular pericytes (cells in the periphery of vessels).   | Benign Hemangiopericytoma                                   |
| C4301           | HEMANGIOPERICYTOMA, MALIGNANT     | Malignant Hemangiopericytoma NOS   | A malignant neoplasm originating from vascular pericytes (cells in the periphery of vessels).  | Malignant Hemangiopericytoma                                |
| C3088           | HEMANGIOSARCOMA, MALIGNANT        | Hemangiosarcoma  | A malignant vascular neoplasm arising from endothelial cells.  | Angiosarcoma  |
| C3728           | HEPATOBLASTOMA, MALIGNANT         | HBL; Pediatric Embryonal Hepatoma; Pediatric Hepatoblastoma  | A malignant liver neoplasm composed of immature hepatocytic elements.  | Hepatoblastoma  |
| C3702           | HIBERNOMA, BENIGN                 | Brown Fat Neoplasm; Brown Fat Tumor; Fetal Fat Cell Lipoma   | A benign neoplasm of the brown adipose tissue.   | Hibernoma   |
| C103394         | HIBERNOMA, MALIGNANT              | Malignant Hibernoma  | A malignant neoplasm arising from the brown adipose tissue in animals, usually in the subcutis and the thoracic cavity.  | Experimental Organism Malignant Hibernoma                   |
| C98708          | HISTIOCYTOMA, BENIGN              |  | A benign dermal neoplasm comprising of round cells, resembling histiocytes. The tumor commonly occurs in young dogs and may regress spontaneously.   | Benign Histiocytoma   |
| C3739           | HISTIOCYTOMA, FIBROUS, BENIGN     | Fibrous Histiocytoma   | A benign neoplasm composed of a fibroblastic and a histiocytic component.  | Benign Fibrous Histiocytoma                                 |
| C4247           | HISTIOCYTOMA, FIBROUS, MALIGNANT  | Fibroanthosarcoma; MFH; Malignant Fibrous Histiocytoma of Soft Tissue and Bone; Malignant Fibrous Histiocytoma of the Soft Tissue and Bone; Malignant Fibroanthoma | A malignant neoplasm composed of a fibroblastic and a histiocytic component.   | Undifferentiated Pleomorphic Sarcoma                        |
| C80351          | ITO CELL TUMOR, BENIGN            | Benign Spongiotic Pericytoma   | A benign neoplasm of the liver composed of hepatic stellate cells (Ito cells).   | Benign Ito Cell Tumor                                       |
| C80352          | ITO CELL TUMOR, MALIGNANT         | Malignant Spongiotic Pericytoma  | A malignant neoplasm of the liver composed of hepatic stellate cells (Ito cells).  | Malignant Ito Cell Tumor                                    |
| C117977         | KERATOACANTHOMA, BENIGN           |  | A benign neoplasm in the superficial dermis with direct association to the epidermis, composed of well differentiated squamous epithelium and a central cavity filled with concentric layers of keratin; a pore (opening in the epidermis) may be present. | Experimental Organism Benign Keratoacanthoma                |
| C81854          | LEIOMYOBlastoma, BENIGN           |  | A benign neoplasm of the gastro-intestinal tract, originating from smooth muscle cells.  | Benign Epithelioid Cell Type Gastrointestinal Stromal Tumor |



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| NCI Code        | CDISC Submission Value                          | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C81855          | LEIOMYOBLASTOMA, MALIGNANT                      |  | A malignant neoplasm of the gastro-intestinal tract, originating from smooth muscle cells.                         | Malignant Epithelioid Cell Type Gastrointestinal Stromal Tumor |
| C3157           | LEIOMYOMA, BENIGN                               | Fibroid;Fibroid Neoplasm;Fibroid Tumor;Leiomyomatous Neoplasm;Leiomyomatous Tumor  | A benign neoplasm, originating from smooth muscle cells.   | Leiomyoma  |
| C124610         | LEIOMYOMA, MESOVARIAL, MALIGNANT                |  | A malignant neoplasm of the smooth muscle that arises from the mesovarium.   | Experimental Organism Malignant Mesovarial Leiomyoma           |
| C3158           | LEIOMYOSARCOMA, MALIGNANT                       | Leiomyosarcomas  | A malignant neoplasm, originating from smooth muscle cells.  | Leiomyosarcoma   |
| C8923           | LEUKEMIA, ERYTHROID, MALIGNANT                  | Acute Erythroblastic Leukemia;Erythroblastic Leukemia;Fab M6;M6 Acute Myeloid Leukemia   | A progressive, proliferative disease of blood cells, originating from immature erythroid cells.                    | Acute Erythroid Leukemia                                       |
| C3172           | LEUKEMIA, GRANULOCYTIC, MALIGNANT               | Leukemia Granulocytic;Leukemia Myeloid;Myelocytic Leukemia;Myelogenous Leukemia;Non-lymphoblastic Leukemia;Non-lymphocytic Leukemia  | A progressive, proliferative disease of blood cells, originating from immature granulocytes.                       | Myeloid Leukemia   |
| C4664           | LEUKEMIA, LARGE GRANULAR LYMPHOCYTIC, MALIGNANT | LGLL;Large Cell Granular Lymphogenous Leukemia;Large Cell Granular Lymphoid Leukemia;Large Granular Lymphocytic Leukemia;Large Granular Lymphocytosis;T Gamma Lymphoproliferative Disorder;T-Cell Large Granular Lymphocytic Leukemia;T-Gamma Lymphoproliferative Disorder;Tgamma Large Granular Lymphocyte Leukemia | A progressive, proliferative disease of blood cells which are large and granular, originating from lymphoid cells. | T-Cell Large Granular Lymphocyte Leukemia                      |
| C3167           | LEUKEMIA, LYMPHOBLASTIC, MALIGNANT              | ALL;ALL - Acute Lymphocytic Leukemia;Acute Lymphocytic Leukaemia;Acute Lymphocytic Leukemias;Acute Lymphogenous Leukemia;Acute Lymphoid Leukemia;Lymphoblastic Leukemia;Precursor Cell Lymphoblastic Leukemia;Precursor Lymphoblastic Leukemia   | A progressive, proliferative disease of blood cells, originating from immature lymphoid cells.                     | Acute Lymphoblastic Leukemia                                   |
| C7539           | LEUKEMIA, LYMPHOCYTIC, MALIGNANT                | Lymphocytic Leukemia;Lymphogenous Leukemia   | A progressive, proliferative disease of blood cells, originating from lymphoid cells.                              | Lymphoid Leukemia  |
| C3161           | LEUKEMIA, MALIGNANT                             | Blood (Leukemia);Leukemia NOS;Leukemias;Leukemias, General   | A progressive, proliferative disease of blood cells, originating from myeloid or lymphoid stem cells.              | Leukemia   |
| C3170           | LEUKEMIA, MEGAKARYOCYTIC, MALIGNANT             | Acute M7 Myeloid Leukemia;Acute Megakaryoblastic Leukemia (Fab Type M7);Acute Megakaryocytic Leukemia;Fab M7   | A progressive, proliferative disease of blood cells, originating from immature megakaryocytes.                     | Acute Megakaryoblastic Leukemia                                |
| C4861           | LEUKEMIA, MONOCYTIC, MALIGNANT                  | Acute Monocytic Leukemia (Fab M5B);Monocytic Leukemia  | A progressive, proliferative disease of blood cells, originating from immature monocytes.                          | Acute Monocytic Leukemia                                       |
| C4212           | LEYDIG CELL TUMOR, BENIGN                       | Adenoma, Interstitial;Benign Interstitial Cell Neoplasm;Benign Interstitial Cell Tumor;Benign Leydig Cell Neoplasm   | A benign neoplasm of the testis originating from interstitial (Leydig) cells.                                      | Benign Leydig Cell Tumor                                       |
| C4213           | LEYDIG CELL TUMOR, MALIGNANT                    | Malignant Interstitial Cell Neoplasm;Malignant Interstitial Cell Tumor;Malignant Leydig Cell Neoplasm  | A malignant neoplasm of the testis originating from interstitial (Leydig) cells.                                   | Malignant Leydig Cell Tumor                                    |
| C3192           | LIPOMA, BENIGN                                  |  | A benign neoplasm composed of adipose tissue.  | Lipoma   |
| C3194           | LIPOSARCOMA, MALIGNANT                          |  | A malignant neoplasm composed of adipose tissue.   | Liposarcoma  |
| C3202           | LUTEOMA, BENIGN                                 | Luteal Cell Neoplasm;Luteal Cell Tumor;Luteinoma;Luteoma;Ovarian Stroma Luteoma  | A benign neoplasm of the ovary, composed of luteinized granulosa-theca cells.                                      | Ovarian Stromal Luteoma  |

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| NCI Code        | CDISC Submission Value                 | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                  |
| C8965           | LYMPHANGIOMA, BENIGN                   |   | A benign neoplasm arising from the lymphatics.   | Lymphangioma  |
| C3205           | LYMPHANGIOSARCOMA, MALIGNANT           | Lymphangioendothelial Sarcoma;Malignant Lymphangioendothelioma  | A malignant neoplasm arising from the endothelial cells of the lymphatic vessels.                                  | Lymphangiosarcoma                                   |
| C3209           | LYMPHOMA, FOLLICULAR, MALIGNANT        | Follicle Center Lymphoma;Follicular Centre Cell Lymphoma;Follicular Non-Hodgkin Lymphoma;Follicular Non-Hodgkin's Lymphoma;Lymphoma, Follicular Centre Cell | A neoplasm of lymphoid cells which has at least a partial follicular pattern.                                      | Follicular Lymphoma                                 |
| C114110         | LYMPHOMA, HISTIOCYTIC, MALIGNANT       | Lymphoma, Large Cell, Malignant   | A malignant neoplasm of large lymphocytes, which resemble histiocytes.   | Experimental Organism Histiocytic Lymphoma Neoplasm |
| C3461           | LYMPHOMA, IMMUNOBLASTIC, MALIGNANT     |   | A malignant neoplasm composed of immunoblasts (large B cells).   | Immunoblastic Lymphoma                              |
| C9360           | LYMPHOMA, LYMPHOBLASTIC, MALIGNANT     | Precursor Cell Lymphoblastic Lymphoma;Precursor Lymphoblastic Lymphoma  | A malignant neoplasm composed of lymphoblasts (lymphoid precursor cells).  | Lymphoblastic Lymphoma                              |
| C3212           | LYMPHOMA, LYMPHOPLASMACYTIC, MALIGNANT | Immunocytoma, Lymphoplasmacytic Type;Lymphoma, Plasmacytic;Lymphoplasmacytoid Lymphoma  | A malignant neoplasm composed of lymphocytes (B-cells), lymphoplasmacytoid cells, and plasma cells.                | Lymphoplasmacytic Lymphoma                          |
| C3208           | LYMPHOMA, MALIGNANT                    | Lymphoma (Hodgkin and Non-Hodgkin);Lymphoma (Hodgkin's and Non-Hodgkin's);Malignant Lymphoma  | A malignant neoplasm composed of lymphocytes of B- or T/NK-cell phenotype.   | Lymphoma  |
| C7540           | LYMPHOMA, SMALL LYMPHOCYTIC, MALIGNANT | B-Cell Small Lymphocytic Lymphoma;Lymphoma, Lymphocytic, Malignant;SLL;Small B-Cell Lymphocytic Lymphoma  | A malignant neoplasm composed of small lymphocytes.  | Small Lymphocytic Lymphoma                          |
| C114112         | LYMPHOSARCOMA, MALIGNANT               |   | An antiquated term referring to a malignant lymphoma that is diffused and composed of small and large lymphocytes. | Experimental Organism Lymphosarcoma Neoplasm        |
| C3217           | MAST CELL TUMOR, BENIGN                |   | A benign neoplasm composed of mast cells.  | Benign Mastocytoma                                  |
| C8991           | MAST CELL TUMOR, MALIGNANT             |   | A malignant neoplasm composed of mast cells.   | Malignant Mastocytosis                              |
| C3222           | MEDULLOBLASTOMA, MALIGNANT             | Medulloblastomas  | A malignant, invasive embryonal neoplasm arising from the cerebellum.  | Medulloblastoma                                     |
| C3802           | MELANOMA, AMELANOTIC, MALIGNANT        |   | A malignant neoplasm composed of melanocytes, which lack melanin.  | Amelanotic Melanoma                                 |
| C98709          | MELANOMA, BENIGN                       | Benign Melanocytoma;Melanocytoma, Benign  | A benign neoplasm or hamartoma composed of melanocytes.  | Benign Melanocytoma                                 |
| C3224           | MELANOMA, MALIGNANT                    | Malignant Melanoma  | A malignant neoplasm composed of melanocytes.  | Melanoma  |
| C7712           | MELANOMA, UVEAL, MALIGNANT             | Intraocular Melanoma;Melanoma of Uvea;Melanoma of the Uvea  | A malignant neoplasm of the uvea composed of melanocytes.  | Uveal Melanoma                                      |
| C4051           | MENINGIOMA, ANAPLASTIC, MALIGNANT      | Anaplastic Meningioma;Malignant Meningioma;Meningioma, Malignant  | A malignant neoplasm of the meninges, exhibiting poor differentiation (anaplasia).                                 | Anaplastic (Malignant) Meningioma                   |
| C4055           | MENINGIOMA, BENIGN                     | Meningioma, Benign  | A benign neoplasm of the meninges.   | Benign Meningioma                                   |
| C38938          | MENINGIOMA, MALIGNANT                  | Grade 3 Meningioma;Grade III Meningioma;Who Grade III Meningioma  | A malignant neoplasm of the meninges.  | Grade III Meningioma                                |

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| NCI Code        | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C124611         | MESENCHYMAL PROLIFERATIVE LESION, BENIGN |   | A benign neoplasm arising from the submucosa and composed of large eosinophilic epithelioid and spindle cells. (INHAND)  | Experimental Organism Mesenchymal Proliferative Lesion       |
| C4267           | MESENCHYMAL TUMOR, BENIGN                |   | A benign soft-tissue neoplasm comprising two or more non-fibroblastic mesenchymal lines of differentiation.  | Benign Mesenchymoma  |
| C4268           | MESENCHYMOMA, MALIGNANT                  |   | A malignant soft tissue neoplasm which consists of two or more mesenchymal lines of differentiation, excluding a fibroblastic line of differentiation.                           | Malignant Mesenchymoma                                       |
| C3762           | MESOTHELIOMA, BENIGN                     | Adenomatoid Tumor, Benign; Benign Localized Epithelial Mesothelioma; Benign Mesothelial Neoplasm; Benign Mesothelial Tumor; Benign Mesothelioma; Benign Neoplasm of Mesothelium; Benign Neoplasm of the Mesothelium; Benign Tumor of Mesothelium; Benign Tumor of the Mesothelium; Mesothelioma, Benign | A benign neoplasm arising from mesothelial cells.  | Adenomatoid Tumor  |
| C4456           | MESOTHELIOMA, MALIGNANT                  | Malignant Mesothelial Neoplasm; Malignant Mesothelial Tumor; Malignant Neoplasm of Mesothelium; Malignant Neoplasm of the Mesothelium; Malignant Tumor of Mesothelium; Malignant Tumor of the Mesothelium   | A malignant neoplasm originating from mesothelial cells of the pleura or peritoneum.   | Malignant Mesothelioma                                       |
| C4050           | MIXED GLIOMA, BENIGN                     |   | A benign neoplasm of the central nervous system with an astrocytic and oligodendrocytic component.   | Oligoastrocytoma   |
| C3903           | MIXED GLIOMA, MALIGNANT                  | Glioma, Mixed; Mixed Glial Neoplasm; Mixed Glial Tumor; Mixed Neuroglial Neoplasm; Mixed Neuroglial Tumor   | A malignant neoplasm comprising two or more glial cell types (e.g., astrocytes, ependymal cells, oligodendrocytes).  | Mixed Glioma   |
| C114111         | MIXED LYMPHOMA, MALIGNANT                |   | A malignant neoplasm composed of a mixed lymphocyte population.  | Experimental Organism Mixed Lymphoma Neoplasm                |
| C8975           | MIXED MULLERIAN TUMOR, MALIGNANT         | MMMT; Malignant Mixed Mesodermal Tumor  | A malignant neoplasm of the female reproductive tract (mostly uterus and ovaries) originating from the Mullerian ducts and composed of carcinomatous and sarcomatous elements.   | Malignant Mixed Mesodermal (Mullerian) Tumor                 |
| C126084         | MIXED SERTOLI-LEYDIG CELL TUMOR, BENIGN  |   | A benign neoplasm composed of Sertoli cells arranged in tubules intermixed with pleomorphic Leydig cells.  | Experimental Organism Benign Mixed Sertoli-Leydig Cell Tumor |
| C8602           | MIXED TUMOR, BENIGN                      |   | A benign neoplasm composed of epithelial and/or myoepithelial cells and a mesenchymal component.   | Pleomorphic Adenoma  |
| C3729           | MIXED TUMOR, MALIGNANT                   | Malignant Mixed Tumor   | A malignant neoplasm composed of epithelial and/or myoepithelial cells and a mesenchymal component. A general term for which the transformed cell types have not been specified. | Malignant Mixed Neoplasm                                     |
| C126085         | MULLERIAN TUMOR, MIXED, BENIGN           |   | A benign neoplasm of the female reproductive tract arising from pluripotent mesodermal cells of the Mullerian ducts. (INHAND)  | Experimental Organism Benign Mixed Mullerian Tumor           |

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| NCI Code        | CDISC Submission Value               | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C3736           | MYELOLIPOMA, BENIGN                  | Myelolipoma   | A benign tumor of the adrenal gland composed of adipocytes and hematopoietic/lymphoid cells.  | Adrenal Gland Myelolipoma                                 |
| C3242           | MYELOMA, PLASMA CELL, MALIGNANT      | Multiple Myeloma;Myeloma  | A malignant neoplasm of the bone marrow composed of plasma cells.   | Plasma Cell Myeloma                                       |
| C7442           | MYOEPITHELIOMA, BENIGN               |   | A benign neoplasm composed of myoepithelial cells.  | Benign Myoepithelioma                                     |
| C7596           | MYOEPITHELIOMA, MALIGNANT            | Malignant Myoepithelioma;Myoepithelial Carcinoma  | A malignant neoplasm composed of myoepithelial cells.   | Malignant Myoepithelioma                                  |
| C6577           | MYXOMA, BENIGN                       |   | A benign soft tissue neoplasm with a myxoid stroma formation.   | Myxoma  |
| C3255           | MYXOSARCOMA, MALIGNANT               |   | A malignant soft tissue neoplasm with a myxoid stroma formation.  | Myxosarcoma   |
| C3677           | NEOPLASM, BENIGN                     | Benign Tumor;Benign Unclassifiable Tumor  | A general term used to describe autonomous growth of tissue where the originating cell type has not been characterized. The term benign indicates the absence of morphologic features associated with malignancy (for instance severe atypia, nuclear pleomorphism, tumor cell necrosis, and abnormal mitoses). | Benign Neoplasm   |
| C9305           | NEOPLASM, MALIGNANT                  | CA;Cancer;Malignancy;Malignant Tumor  | A general term for autonomous tissue growth exhibiting morphologic features of malignancy (e.g. severe atypia, nuclear pleomorphism, tumor cell necrosis, abnormal mitoses, tissue invasiveness) and for which the transformed cell type has not been specifically identified.                                  | Malignant Neoplasm  |
| C114235         | NEPHROBLASTOMA, BENIGN               |   | A benign embryonal neoplasm of the kidney.  | Experimental Organism Benign Nephroblastoma Neoplasm      |
| C40407          | NEPHROBLASTOMA, MALIGNANT            | Embryonal Nephroma;Nephroblastoma;Renal Wilms' Tumor;Wilms Tumor of the Kidney;Wilms' Tumor of the Kidney | A malignant embryonal neoplasm of the kidney.   | Kidney Wilms Tumor  |
| C3270           | NEUROBLASTOMA, MALIGNANT             | Neural Crest Tumor, Malignant;Neuroblastoma (Schwannian Stroma-poor)                                      | A malignant neoplasm composed of neuroblastic cells.  | Neuroblastoma   |
| C126086         | NEUROENDOCRINE CELL TUMOR, BENIGN    |   | A benign neoplasm arising from neuroendocrine cells.  | Experimental Organism Benign Neuroendocrine Cell Tumor    |
| C126087         | NEUROENDOCRINE CELL TUMOR, MALIGNANT |   | A malignant neoplasm arising from neuroendocrine cells.   | Experimental Organism Malignant Neuroendocrine Cell Tumor |
| C3272           | NEUROFIBROMA, BENIGN                 |   | An intraneural or extraneural neoplasm arising from nerve tissues and neural sheaths, composed of perineurial-like fibroblasts and Schwann cells.   | Neurofibroma  |

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| NCI Code        | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                |
| C116214         | NEUROMYOBlastoma, MALIGNANT              |  | A malignant tumor that arises in the brain stem or adjacent cranial nerves, consisting of variable populations of cells with neuronal and myoblast differentiation. (INHAND) | Experimental Organism Malignant Neuromyoblastoma  |
| C4306           | ODONTOGENIC Tumor, BENIGN                | Benign Odontogenic Tumor   | A benign neoplasm arising from tooth-forming tissues.  | Benign Odontogenic Neoplasm                       |
| C3710           | ODONTOMA, AMELOBLASTIC, BENIGN           | Ameloblastic Fibroodontoma;Fibroameloblastic Odontoma  | A benign neoplasm arising from tooth-forming tissues with-enamel organ differentiation (but without enamel formation).   | Ameloblastic Fibro-Odontoma                       |
| C7492           | ODONTOMA, AMELOBLASTIC, MALIGNANT        |  | A malignant neoplasm arising from tooth-forming tissues with-enamel organ differentiation (but without enamel formation).  | Ameloblastic Carcinoma                            |
| C3287           | ODONTOMA, BENIGN                         | Fibro-Odontoma;Fibroodontoma   | A benign neoplasm of tooth origin.   | Odontoma  |
| C4812           | ODONTOMA, MALIGNANT                      | Malignant Odontogenic Tumor;Odontogenic Carcinoma;Odontogenic Carcinosarcoma   | A malignant neoplasm of tooth origin.  | Malignant Odontogenic Neoplasm                    |
| C4326           | OLIGODENDROGLIOMA, ANAPLASTIC, MALIGNANT | Malignant Oligodendroglioma;Undifferentiated Oligodendroglioma;Who Grade III Oligodendroglial Neoplasm;Who Grade III Oligodendroglial Tumor              | A malignant neoplasm of the central nervous system arising from oligodendrocytes, exhibiting poor differentiation (anaplasia).   | Anaplastic Oligodendroglioma                      |
| C119577         | OLIGODENDROGLIOMA, MALIGNANT             |  | A malignant neoplasm of the brain or spinal cord originating from oligodendrocytes.  | Experimental Organism Malignant Oligodendroglioma |
| C7072           | ONCOCYTOMA, BENIGN                       | Oncocytic Tumor;Oncocytoma   | A benign neoplasm composed of large cells with abundant eosinophilic granular cytoplasm (oncocytes).   | Oncocytic Neoplasm                                |
| C3679           | ONCOCYTOMA, MALIGNANT                    | Hurthle Cell Adenocarcinoma;Hurthle Cell Carcinoma;Oncocytic Adenocarcinoma;Oncocytic Carcinoma  | A malignant neoplasm composed of large epithelial cells with abundant granular eosinophilic cytoplasm (oncocytes).   | Oxyphilic Adenocarcinoma                          |
| C3294           | OSTEOBLASTOMA, BENIGN                    | Giant Osteoid Osteoma;Ossifying Giant Cell Tumor   | A benign neoplasm of bone, characterized by the formation of osteoid tissue and large osteoblast-like cells.   | Osteoblastoma                                     |
| C3295           | OSTEOCHONDROMA, BENIGN                   |  | A benign cartilaginous neoplasm arising from the metaphysis of bone.   | Osteochondroma                                    |
| C7155           | OSTEOCHONDROSARCOMA, MALIGNANT           | Conventional Chondrosarcoma of Bone;Primary Bone Chondrosarcoma;Primary Chondrosarcoma;Primary Chondrosarcoma of Bone;Primary Chondrosarcoma of the Bone | A malignant cartilaginous neoplasm of bone.  | Primary Central Chondrosarcoma                    |
| C4304           | OSTEOCLASTOMA, MALIGNANT                 | Dedifferentiated Giant Cell Tumor;Giant Cell Bone Sarcoma;Giant Cell Sarcoma of Bone;Giant Cell Sarcoma of the Bone                                      | A malignant neoplasm of bone comprised of osteoclast-like giant cells and mononuclear cells.   | Malignancy in Giant Cell Tumor of Bone            |
| C3740           | OSTEOFIBROMA, BENIGN                     | Desmoid Tumor of Bone;Desmoplastic Fibroma;Desmoplastic Fibroma of Bone;Desmoplastic Fibroma of the Bone;Osseous Desmoplastic Fibroma                    | A benign neoplasm characterized by osteolysis and the presence of a rich collagenous stroma and spindle cells.   | Bone Desmoplastic Fibroma                         |
| C103392         | OSTEOFIBROMA, BONE, BENIGN               | Osteofibroma, Bone   | A benign neoplasm, morphologically a fibroma with osseous components.  | Experimental Organism Benign Bone Osteofibroma    |

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| NCI Code        | CDISC Submission Value                   | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                 |
| C3296           | OSTEOMA, BENIGN                          |   | A benign well-differentiated neoplasm of bone.  | Osteoma  |
| C8810           | OSTEOSARCOMA, EXTRASKELETAL, MALIGNANT   | Extraosseous Osteosarcoma;Extraskeletal Osteogenic Sarcoma;Soft Tissue Osteosarcoma   | A malignant bone-forming neoplasm, arising in tissue other than bone.   | Extraskelatal Osteosarcoma                         |
| C9145           | OSTEOSARCOMA, MALIGNANT                  | Osteogenic Sarcoma  | A malignant neoplasm usually arising from bone.   | Osteosarcoma                                       |
| C6803           | OVARIAN SEX CORD-STROMAL TUMOR, BENIGN   | Benign Ovarian Sex Cord-Stromal Neoplasm;Benign Sex Cord-Stromal Neoplasm of Ovary;Benign Sex Cord-Stromal Neoplasm of the Ovary;Benign Sex Cord-Stromal Tumor of Ovary;Benign Sex Cord-Stromal Tumor of the Ovary;Sex Cord Stromal Tumor, Benign   | A benign neoplasm of the ovary, originating from the sex-cord stroma.   | Benign Ovarian Sex Cord-Stromal Tumor              |
| C7440           | PAPILLOMA, BENIGN                        |   | A benign epithelial neoplasm that projects above the surrounding epithelial surface.  | Papilloma  |
| C3698           | PAPILLOMA, CHOROID PLEXUS, BENIGN        | Papilloma of Choroid Plexus;Papilloma of the Choroid Plexus   | A benign neoplasm of the choroid plexus of the central nervous system.  | Choroid Plexus Papilloma                           |
| C3712           | PAPILLOMA, SQUAMOUS CELL, BENIGN         | Epidermoid Cell Papilloma;Epidermoid Papilloma;Keratotic Papilloma;Squamous Cell Papilloma  | A benign epithelial neoplasm characterized by a papillary growth pattern and a proliferation of neoplastic squamous cells.  | Squamous Papilloma                                 |
| C4115           | PAPILLOMA, TRANSITIONAL CELL, BENIGN     | Transitional Papilloma  | A benign papillary neoplasm composed of transitional cells.   | Transitional Cell Papilloma                        |
| C48314          | PARAGANGLIOMA, BENIGN                    | Benign Neuroendocrine Cell Tumor;Benign Paraganglionic Neoplasm   | A benign neoplasm arising from paraganglia located along nerves composed of neoplastic neuroectodermal chromaffin cells.    | Benign Paraganglioma                               |
| C8559           | PARAGANGLIOMA, MALIGNANT                 | Malignant Neoplasm of Paraganglion;Malignant Paraganglion Tumor   | A malignant neoplasm arising from paraganglia located along nerves composed of neoplastic neuroectodermal chromaffin cells. | Malignant Paraganglioma                            |
| C96805          | PERIPHERAL CHOLANGIOCARCINOMA, MALIGNANT | Peripheral Cholangiocarcinoma   | A malignant intrahepatic neoplasm arising from the small interlobular bile ducts.   | Peripheral Intrahepatic Cholangiocarcinoma         |
| C48305          | PHEOCHROMOCYTOMA, BENIGN                 |   | A benign neoplasm of the adrenal gland medulla.   | Benign Adrenal Gland Pheochromocytoma              |
| C92181          | PHEOCHROMOCYTOMA, COMPLEX, BENIGN        |   | A benign neoplasm of the adrenal gland medulla, composed of medullary and neuroectodermal components.                       | Benign Adrenal Gland Composite Pheochromocytoma    |
| C92184          | PHEOCHROMOCYTOMA, COMPLEX, MALIGNANT     |   | A malignant neoplasm of the adrenal gland medulla, composed of medullary and neuroectodermal components.                    | Malignant Adrenal Gland Composite Pheochromocytoma |
| C4220           | PHEOCHROMOCYTOMA, MALIGNANT              | Malignant Adrenal Gland Chromaffin Neoplasm;Malignant Adrenal Gland Chromaffin Paraganglioma;Malignant Adrenal Gland Chromaffin Tumor;Malignant Adrenal Gland Chromaffinoma;Malignant Adrenal Gland Paraganglioma;Malignant Adrenal Medullary Paraganglioma;Malignant Adrenal Medullary Pheochromocytoma;Malignant Adrenal Pheochromocytoma;Malignant Pheochromocytoma;Pheochromoblastoma | A malignant neoplasm of the adrenal gland medulla.  | Malignant Adrenal Gland Pheochromocytoma           |
| C7368           | PILOMATRIXOMA, BENIGN                    | Benign Hair Follicle Neoplasm;Benign Pilomatricoma;Benign Pilomatrixoma;Calcifying Epithelioma of Malherbe;Pilomatrixoma  | A benign adnexal neoplasm arising from hair-bearing skin surfaces.  | Pilomatricoma                                      |

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| NCI Code        | CDISC Submission Value                     | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C9344           | PINEOBLASTOMA, MALIGNANT                   | PNET of Pineal Gland;PNET of the Pineal Gland;Pineal Gland PNET;Pineal Gland Primitive Neuroectodermal Neoplasm;Pineal Gland Primitive Neuroectodermal Tumor;Pineal PNET;Pineal Primitive Neuroectodermal Neoplasm;Pineal Primitive Neuroectodermal Tumor;Primitive Neuroectodermal Neoplasm of Pineal Gland;Primitive Neuroectodermal Neoplasm of the Pineal Gland;Primitive Neuroectodermal Tumor of Pineal Gland;Primitive Neuroectodermal Tumor of the Pineal Gland | A poorly differentiated malignant embryonal neoplasm arising from the pineal region of the brain.   | Pineoblastoma   |
| C6966           | PINEOCYTOMA, BENIGN                        | Benign Pinealoma  | A benign neoplasm of the brain arising from the pineal gland.   | Pineocytoma   |
| C7157           | PITUICYTOMA, BENIGN                        | Neurohypophysis Neoplasm;Neurohypophysis Tumor;Posterior Pituitary Gland Tumor;Posterior Pituitary Neoplasm;Posterior Pituitary Tumor   | A neoplasm arising from the posterior lobe of the pituitary gland.  | Posterior Pituitary Gland Neoplasm                                |
| C4665           | PLASMA CELL TUMOR, MALIGNANT               | Plasma Cell Dyscrasia;Plasma Cell Tumor;Plasmacytic Neoplasm;Plasmacytic Tumor  | A malignant neoplasm composed of plasma cells.  | Plasma Cell Neoplasm  |
| C112275         | POLYP, BENIGN                              |   | A benign polypoid neoplasm of an epithelial lining projecting into a lumen or cavity.   | Experimental Organism Benign Polyp                                |
| C6433           | POLYP, ENDOMETRIAL STROMAL, BENIGN         |   | A benign polypoid neoplasm of the endometrium projecting into the endometrial cavity.   | Endometrial Polyp   |
| C124612         | POLYP, GLANDULAR, BENIGN                   |   | A benign polyp with prominent, hyperplastic glandular structures.   | Experimental Organism Glandular Polyp                             |
| C3664           | POLYP, VAGINAL, BENIGN                     | Polyp of Vagina;Polyp of the Vagina   | A benign polypoid growth arising from the vaginal wall.   | Vaginal Polyp   |
| C126088         | RENAL MESENCHYMAL TUMOR, MALIGNANT         |   | A malignant neoplasm arising from foci of atypical fibroblast-like cells in the interstitium of the outer stripe of the outer medulla of the kidney. (INHAND) | Experimental Organism Malignant Renal Mesenchymal Tumor           |
| C4684           | RETICULOSIS, MALIGNANT                     | Angiocentric T-Cell Lymphoma  | A malignant lymphoid neoplasm composed of EBV-positive NK/T cells arranged in an angiocentric pattern.  | Nasal Type Extranodal NK/T-Cell Lymphoma                          |
| C7541           | RETINOBLASTOMA, MALIGNANT                  | RB  | A malignant neoplasm originating in the nuclear layer of the retina.  | Retinoblastoma  |
| C3358           | RHABDOMYOMA, BENIGN                        |   | A benign neoplasm arising from skeletal or cardiac muscle, characterized by the presence of rhabdomyoblasts.  | Rhabdomyoma   |
| C3359           | RHABDOMYOSARCOMA, MALIGNANT                |   | A malignant mesenchymal neoplasm arising from skeletal muscle.  | Rhabdomyosarcoma  |
| C124613         | SARCOMA ARISING IN FIBROADENOMA, MALIGNANT |   | A malignant mesenchymal neoplasm that arises from a pre-existing benign fibroadenoma.   | Experimental Organism Malignant Sarcoma Arising From Fibroadenoma |
| C35815          | SARCOMA, GRANULOCYTIC, MALIGNANT           |   | A malignant neoplasm composed of myeloblasts, neutrophils and neutrophil precursors.  | Granulocytic Sarcoma  |
| C27349          | SARCOMA, HISTIOCYTIC, MALIGNANT            |   | A malignant neoplasm composed of cells resembling histiocytes.  | Histiocytic Sarcoma   |
| C8312           | SARCOMA, LEPTOMENINGEAL, MALIGNANT         | Sarcoma of Leptomeninges;Sarcoma of the Leptomeninges;Sarcoma, Meningeal  | A malignant mesenchymal neoplasm arising from the leptomeninges.  | Leptomeningeal Sarcoma  |

| C88025 NEOPLASM |  |  |  |  |
|-----------------|--|--|--|--|
| NCI Code        | CDISC Submission Value                   | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C9118           | SARCOMA, MALIGNANT                       | Mesenchymal Tumor, Malignant;Sarcoma;Sarcoma of Soft Tissue and Bone;Sarcoma of the Soft Tissue and Bone | A malignant mesenchymal neoplasm. A general term for which the transformed cell type has not been specified.                       | Sarcoma  |
| C3520           | SARCOMA, MYELOID, MALIGNANT              | Chloroma;Extramedullary Myeloid Tumor  | A malignant neoplasm composed of myeloblasts or immature myeloid cells. It occurs in extramedullary sites or the bone.             | Myeloid Sarcoma  |
| C3400           | SARCOMA, SYNOVIAL, MALIGNANT             | SS   | A malignant neoplasm that usually arises in the synovial membranes of the joints and the synovial cells of the tendons and bursae. | Synovial Sarcoma   |
| C27096          | SARCOMA, UNDIFFERENTIATED, MALIGNANT     | Embryonal Sarcoma, Undifferentiated  | A rare malignant neoplasm of the liver that is most common in youth.   | Undifferentiated (Embryonal) Sarcoma                         |
| C3269           | SCHWANNOMA, BENIGN                       | Neurilemmoma;Neurinoma;Schwannoma;Schwannoma (Who Grade I)   | A benign neoplasm of the peripheral nervous system composed of well-differentiated Schwann cells.                                  | Schwannoma   |
| C3798           | SCHWANNOMA, MALIGNANT                    | Malignant Neurilemmoma;Malignant Peripheral Nerve Sheath Tumour;Neurofibrosarcoma, Malignant             | A malignant neoplasm, originating from the sheaths of the peripheral nerve.  | Malignant Peripheral Nerve Sheath Tumor                      |
| C112276         | SEMINOMA, BENIGN                         |  | A benign germ cell neoplasm of the testis.   | Experimental Organism Benign Seminoma                        |
| C9309           | SEMINOMA, MALIGNANT                      | Seminoma;Seminoma, Pure  | A malignant germ cell neoplasm of the testis.  | Seminoma   |
| C67012          | SERTOLI CELL TUMOR, BENIGN               | Benign Androblastoma   | A benign neoplasm of the testis or ovary, originating from Sertoli cells.  | Benign Sertoli Cell Tumor                                    |
| C67006          | SERTOLI CELL TUMOR, MALIGNANT            | Malignant Androblastoma  | A malignant neoplasm of the testis or ovary, originating from Sertoli cells.   | Malignant Sertoli Cell Tumor                                 |
| C124614         | SEX CORD STROMAL TUMOR, MIXED, BENIGN    |  | A benign sex cord-stromal neoplasm that arises from the testis or ovary and is composed of a mix of cell types.                    | Experimental Organism Benign Mixed Sex Cord Stromal Tumor    |
| C124615         | SEX CORD STROMAL TUMOR, MIXED, MALIGNANT |  | A malignant sex cord-stromal neoplasm that arises from the testis or ovary and is composed of a mix of cell types.                 | Experimental Organism Malignant Mixed Sex Cord Stromal Tumor |
| C6569           | STROMAL NEPHROMA, MALIGNANT              | Cmn;Mesoblastic Nephroma   | A congenital malignant neoplasm of the kidney characterized by the presence of fibroblastic cells.                                 | Congenital Mesoblastic Nephroma                              |
| C8973           | STROMAL SARCOMA, ENDOMETRIAL, MALIGNANT  | ESS  | A malignant, mesenchymal tumor of the uterine stroma.  | Endometrioid Stromal Sarcoma                                 |
| C6926           | STROMAL SARCOMA, MALIGNANT               | Stromal Tumor, Malignant   | A malignant neoplasm characterized by the presence of atypical mesenchymal-stromal cells.  | Stromal Sarcoma  |
| C114113         | STROMAL TUMOR, BENIGN                    |  | A benign neoplasm composed of mesenchymal stromal cells.   | Experimental Organism Benign Stromal Tumor Neoplasm          |
| C67561          | STROMAL TUMOR, GONADAL, MALIGNANT        | Sex Cord Stromal Tumor, Malignant  | A malignant neoplasm originating from the gonadal sex cord stroma.   | Malignant Sex Cord-Stromal Tumor                             |



| C88025 NEOPLASM |                             |   |  |   |
|-----------------|-----------------------------|---|--|---|
| NCI Code        | CDISC Submission Value      | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                |
| C3795           | SUBEPENDYMOMA, BENIGN       | Subependymal Glioma;Who Grade I Ependymal Neoplasm;Who Grade I Ependymal Tumor  | A benign neoplasm of the brain localized in the vicinity of a ventricular wall and is composed of glial tumor cell clusters embedded in an abundant fibrillary matrix with frequent microcystic changes. | Subependymoma                                     |
| C3829           | SYNOVIOMA, BENIGN           | Benign Neoplasm of Synovium;Benign Neoplasm of the Synovium;Benign Synovial Tumor;Benign Synovioma;Benign Tumor of Synovium;Benign Tumor of the Synovium  | A benign neoplasm arising from the synovial membrane.  | Benign Synovial Neoplasm                          |
| C114114         | TERATOMA, BENIGN            |   | A benign germ-cell neoplasm derived from pluripotent cells and consisting of components from one or more of the three germ-cell layers.  | Experimental Organism<br>Benign Teratoma Neoplasm |
| C4286           | TERATOMA, MALIGNANT         | Immature Teratoma   | A malignant germ-cell neoplasm derived from pluripotent cells and consisting of components from one or more of the three germ-cell layers.   | Immature Teratoma                                 |
| C5219           | THECOMA, BENIGN             | Benign Ovarian Thecal Cell Neoplasm;Benign Ovarian Thecal Cell Tumor;Benign Thecal Cell Neoplasm of Ovary;Benign Thecal Cell Neoplasm of the Ovary;Benign Thecal Cell Tumor of Ovary;Benign Thecal Cell Tumor of the Ovary;Benign Thecoma of Ovary;Benign Thecoma of the Ovary;Thecal Cell Tumor, Benign                  | A benign sex-cord neoplasm of the ovary, originating from theca cells.   | Benign Ovarian Thecoma                            |
| C6929           | THECOMA, OVARIAN, MALIGNANT | Malignant Ovarian Thecal Cell Neoplasm;Malignant Ovarian Thecal Cell Tumor;Malignant Thecal Cell Neoplasm of Ovary;Malignant Thecal Cell Neoplasm of the Ovary;Malignant Thecal Cell Tumor of Ovary;Malignant Thecal Cell Tumor of the Ovary;Malignant Thecoma of Ovary;Malignant Thecoma of the Ovary;Thecoma, Malignant | A malignant sex-cord neoplasm of the ovary, originating from theca cells.  | Malignant Ovarian Thecoma                         |
| C114115         | THYMOMA, BENIGN             |   | A benign neoplasm of the thymus, originating from epithelial thymus cells.   | Experimental Organism<br>Benign Thymoma Neoplasm  |
| C7612           | THYMOMA, MALIGNANT          |   | A malignant neoplasm of the thymus, originating from epithelial thymus cells.  | Malignant Thymoma                                 |
| C27132          | TRICHOEPITHELIOMA, BENIGN   | Brooke's Tumor;Trichoepithelioma;Trichogenic Adnexal Tumor;Trichogenic Trichoblastoma   | A benign hair follicle neoplasm with trichoblastic differentiation.  | Trichoblastoma                                    |
| C84357          | YOLK SAC TUMOR, BENIGN      |   | A benign epithelial neoplasm arising from the yolk sac.  | Yolk Sac Adenoma                                  |
| C3011           | YOLK SAC TUMOR, MALIGNANT   | Endodermal Sinus Neoplasm;Endodermal Sinus Tumor;Yolk Sac Neoplasm;Yolk Sac Tumor Site Unspecified  | A non-seminomatous malignant germ cell tumor composed of primitive germ cells and which produce an eosinophilic substance (alpha-fetoprotein).   | Yolk Sac Tumor                                    |

## NEOSTAT (Neoplastic Status)

NCI Code: C90004, Codelist extensible: No

| C90004 NEOSTAT |                        |               |  |                    |
|----------------|------------------------|---------------|--|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C14172         | BENIGN                 | Benign        | For neoplasms, a non-infiltrating and non-metastasizing neoplastic process that is characterized by the absence of morphologic features associated with malignancy (e.g., severe atypia, nuclear pleomorphism, tumor cell necrosis, and abnormal mitoses). For other conditions, a process that is mild in nature and not dangerous to health. (NCI) | Benign             |
| C14143         | MALIGNANT              | Malignant     | Refers to abnormal cell activity manifested by decreased control over growth and function, causing tumor growth or spread into surrounding tissue and adverse effects to the host. (NCI)   | Malignant          |
| C14174         | METASTATIC             | Metastatic    | A term referring to the pathologic observation of a tumor extension or migration from its original site of growth to another non-adjacent site.  | Metastatic         |
| C89084         | UNDETERMINED           | Undetermined  | A term referring to the lack of definitive clinical or pathologic criteria for a tumor to predict its clinical course or classify it as benign or malignant.   | Undetermined       |

## NONNEO (Non-Neoplastic Finding Type)

NCI Code: C120531, Codelist extensible: Yes

| C120531 NONNEO |                               |                             |  |                                    |
|----------------|-------------------------------|-----------------------------|--|------------------------------------|
| NCI Code       | CDISC Submission Value        | CDISC Synonym               | CDISC Definition   | NCI Preferred Term                 |
| C26686         | ABSCESS                       |                             | An inflammatory response represented by a focal collection of leukocytes (predominantly neutrophils) that can be encapsulated.   | Abscess                            |
| C120859        | ACCESSORY TISSUE              |                             | A supernumerary tissue in addition to normal tissues.  | Accessory Tissue                   |
| C120860        | ACCUMULATION                  |                             | An increase of substance (e.g., proteinaceous fluid and glycogen) in either the intracellular space, extracellular space, or within a hollow organ or structure.   | Accumulation                       |
| C6996          | ADENOMYOSIS                   |                             | The growth of endometrial tissue inside the muscular wall of the uterus.   | Uterine Corpus Adenomyosis         |
| C120861        | ADENOSIS                      |                             | The presence of small collections of epithelial cells with or without microlumens in the stroma adjacent to ducts or acini in glandular tissues.   | Adenosis                           |
| C54685         | ADHESION                      |                             | A fibrinous or fibrous connection between two surfaces or tissues, connecting tissues or organs that are not normally attached.  | Tissue Adhesion                    |
| C120862        | ADNEXAL DYSPLASIA             |                             | Abnormal development of the adnexal appendages of the skin. (INHAND)   | Adnexal Dysplasia                  |
| C62344         | AGGREGATE                     | Aggregates;Aggregation      | A collection of cells or particles forming a cohesive mass or cluster.   | Aggregation                        |
| C120863        | ALPHA 2U-GLOBULIN NEPHROPATHY |                             | Increase in eosinophilic cytoplasmic droplets of alpha 2u-globulin in the S2 segment of the proximal tubules in the cortex with exfoliation of cells, an increase in mitotic figures in affected portions of the proximal tubules, tubular basophilia in some cases, and formation of granular casts at the junction of the inner and outer stripes of the medulla. (INHAND) | Alpha 2u-Globulin Nephropathy      |
| C2868          | AMYLOID                       | Amyloidosis                 | An accumulation of amyloid protein.  | Amyloidosis                        |
| C120864        | APLASIA                       | Agenesis                    | A congenital abnormality resulting in the absence of an anatomical structure. (NCI)  | Agenesis                           |
| C75603         | ARTIFACT                      |                             | A structure or appearance that is not naturally present, but has been introduced though manipulation.  | Artifact                           |
| C120865        | ASTROCYTOSIS                  | Astrogliosis;Gemistocytosis | Reactive astrocytic proliferation often associated with degenerative, inflammatory or neoplastic changes in the central nervous system.  | Experimental Organism Astrocytosis |
| C2888          | ATELECTASIS                   |                             | The partial or total collapse of alveoli and/or airways.   | Atelectasis                        |
| C79748         | ATROPHY                       |                             | A decrease in size of organ, tissue or cell. (INHAND)  | Atrophy                            |
| C120866        | ATYPICAL RESIDUAL BODIES      |                             | Abnormally large, misshapen and/or clumped vacuoles containing cell debris in the testis, or present in stages of spermatogenesis when not normally seen.  | Atypical Residual Bodies           |
| C120867        | BACTERIA                      | Bacterium                   | The presence of bacteria.  | Bacteria Present                   |
| C34414         | BASOPHILIA                    |                             | A blue-purple tinctorial change associated with staining with basic dyes.  | Basophilia                         |
| C120868        | BASOPHILIC GRANULES           |                             | Intracytoplasmic phagolysosomes that are strongly basophilic. These structures are usually seen within the tubular epithelium and glomeruli of the kidney in response to antisense oligonucleotides.   | Basophilic Phagolysosome           |
| C84475         | BRONCHIECTASIS                |                             | Segmental, irreversible dilation of the bronchial tree.  | Bronchiectasis                     |

| C120531 NONNEO |                                 |                                   |  |   |
|----------------|---------------------------------|-----------------------------------|--|---|
| NCI Code       | CDISC Submission Value          | CDISC Synonym                     | CDISC Definition   | NCI Preferred Term                      |
| C35708         | CALCULUS                        |                                   | A concretion of material in the body, usually composed of mineral salts. Representative examples include gallbladder stones, kidney stones, and salivary gland stones.   | Stone                                   |
| C38095         | CAST                            | Casts                             | A mold of a hollow structure (e.g. renal tubule, bronchiole). The casts may be composed of various materials (e.g. protein, granular substance, cellular debris). (INHAND)   | Urine Casts                             |
| C120869        | CELL DEBRIS                     | Cellular Debris                   | An accumulation of cell fragments.   | Cellular Debris                         |
| C60373         | CHOLANGIOFIBROSIS               |                                   | A hepatotoxin-induced finding in the liver consisting of dilated/cystic bile ducts filled with mucus and cellular debris and surrounded by inflammatory cell infiltrates and often sclerotic connective tissue. Epithelium is pleomorphic and, in cystic glands, may be partially lost resulting in crescent shaped structures. (INHAND)           | Rat Cholangiofibrosis                   |
| C120870        | CHOLESTEROL CLEFT               | Acicular Cleft;Cholesterol Clefts | Presence of flat, thin, rhomboid spaces in tissue created by the dissolution of cholesterol crystals during processing.  | Cholesterol Cleft                       |
| C120871        | CHROMATOLYSIS                   |                                   | The disintegration of the chromophil substance (Nissl bodies) in a nerve cell body which may occur after injury to the cell.   | Chromatolysis                           |
| C120872        | CHRONIC PROGRESSIVE NEPHROPATHY |                                   | A spontaneous, age-related renal disease of rats and mice, characterized by morphological changes such as degeneration of the epithelium lining of the tubules, cast formation, thickening of glomerulus, Bowman and proximal tubular basement membranes, and lesions in the glomeruli leading to mesangial overload and glomerulosclerosis. (NCI) | Chronic Progressive Nephropathy         |
| C82971         | CONGESTION                      |                                   | Increased number of erythrocytes in the capillary bed or larger vessels of an organ. (INHAND)  | Tissue Congestion                       |
| C36021         | CORPORA AMYLACEA                |                                   | Small hyaline masses of degenerated cells that develop into compact concretions due to pressure dehydration and/or compaction of dead cells. May appear mineralized.   | Corpora Amylacea                        |
| C35920         | CRIBRIFORM CHANGE               | Pseudoglandular Formation         | Formation of epithelial pseudoglandular structures with lumens.  | Cribriform Pattern                      |
| C120873        | CRUST                           | Scab                              | A covering or layer of solid matter formed by dried bodily exudate or secretion.   | Cutaneous Crust                         |
| C61303         | CRYSTALS                        | Crystal;Crystal Formation         | A clear or pale solid having a highly regular structure, which may present as a crystal profile.   | Crystal                                 |
| C2978          | CYST                            |                                   | A sac-like closed pocket of tissue that may be empty or may be filled with fluid, gas, semisolid, or amorphous material. It typically has an outer epithelial-lined capsule.   | Cyst                                    |
| C41454         | CYSTIC DEGENERATION             |                                   | A finding consisting of multilocular cysts lined by fine septa containing fine flocculent eosinophilic material or, in some tissues, blood. The cysts are not lined by endothelial cells and do not compress the surrounding parenchyma. This does not include congenital polycystic change. (INHAND)  | Cystic Change                           |
| C123636        | DECIDUAL REACTION               |                                   | A primarily uterine reaction with generally indistinct borders and two recognizable regions. These regions are an antimesometrial region containing closely packed mesenchymal cells and a mesometrial region containing mesometrial cells with long cytoplasmic processes and abundant glycogen. (INHAND)   | Experimental Organism Decidual Reaction |
| C123637        | DECIDUALIZATION                 |                                   | A focal lesion within the uterus consisting of markedly hypertrophied stromal cells with cytoplasmic glycogen and prominent nuclei.  | Experimental Organism Decidualization   |
| C50774         | DEGENERATION                    |                                   | Disturbance of cell integrity and deterioration of normal tissue, cells or organs.   | Tissue Degeneration                     |

| C120531 NONNEO |                              |   |   |   |
|----------------|------------------------------|---|---|---|
| NCI Code       | CDISC Submission Value       | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                      |
| C120874        | DEGENERATION/ATROPHY         | Atrophy/Degeneration  | A finding that generally has features of degeneration and atrophy.  | Degeneration and Atrophy                |
| C120875        | DEGENERATION/NECROSIS        | Necrosis/Degeneration   | A finding that generally has features of degeneration and necrosis.   | Degeneration and Necrosis               |
| C120876        | DEGENERATION/REGENERATION    | Regeneration/Degeneration                                     | A finding that generally has features of degeneration and regeneration.   | Degeneration and Regeneration           |
| C117277        | DEMYELINATION                |   | Loss of myelin with relative preservation of the ensheathed axon, characterized by the presence of myelin ovoids and reduced myelin staining.   | Demyelination                           |
| C113136        | DILATATION                   | Dilation  | Expansion of the cavity, ducts or lumen of a hollow organ or vessel.  | Dilation                                |
| C26753         | DIVERTICULUM                 |   | A sac-like protrusion in the wall of a hollow organ or tissue.  | Diverticulum                            |
| C120877        | ECTASIA                      |   | Expansion of substructures (such as ducts, glands, sinuses, alveoli) within the tissue.   | Ectasia                                 |
| C3002          | EDEMA                        |   | Excessive amount of watery fluid in tissues or cavities, generally characterized microscopically as clear spaces separating tissue components.  | Edema                                   |
| C120878        | ELASTOSIS                    |   | Degeneration of elastin with accumulation of irregular, thickened elastic fibers.   | Elastosis                               |
| C50547         | EMBOLUS                      | Emboli  | An intravascular mass, such as clotted blood or other elements, that was carried in the blood and occludes distal vessels.  | Embolus                                 |
| C3348          | EMPHYSEMA                    |   | Abnormal enlargement of the air space distal to the terminal bronchiole accompanied by destructive changes in the alveolar septa.   | Pulmonary Emphysema                     |
| C120879        | EPITHELIAL ALTERATION        | Respiratory Tract Epithelial Alteration                       | A change or slight modification in respiratory and/or cuboidal/transitional epithelial cells in the respiratory system, characterized mainly by loss of cilia (respiratory epithelium), flattening and horizontal orientation of epithelial cells and a slight increase in cell layers. | Respiratory Tract Epithelial Alteration |
| C50443         | EROSION                      |   | A shallow or superficial destruction of a surface, without destruction of the basement membrane. (INHAND)   | Erosion                                 |
| C120880        | EROSION/ULCER                | Erosion/Ulceration;Ulcer/Erosion                              | A finding that generally has features of erosion and ulceration.  | Eroded and Ulcerated Lesion             |
| C111657        | EXFOLIATION                  |   | Shedding or sloughing of cells from an epithelial surface, including skin, mucosa and testis.   | Desquamation                            |
| C41235         | EXTRAMEDULLARY HEMATOPOIESIS |   | Formation of blood cells that occurs outside of the bone marrow.  | Extramedullary Hematopoiesis            |
| C36185         | FATTY CHANGE                 |   | Increased lipid within the cytoplasm of cells.  | Steatosis                               |
| C120881        | FIBROPLASIA                  |   | The formation of fibrous tissue characterized by an increased number of active, plump fibroblasts and variable amounts of collagen.   | Fibroplasia                             |
| C3044          | FIBROSIS                     |   | Increase in collagen and low numbers of fibrocytes.   | Fibrosis                                |
| C120882        | FOCUS OF CELLULAR ALTERATION | Foci of Cellular Alteration;Focus/foci of Cellular Alteration | A localized proliferation of hepatocytes phenotypically different from surrounding hepatocyte parenchyma with no or minimal compression of surrounding tissue.  | Focus of Cellular Alteration            |
| C34620         | FOREIGN MATERIAL             | Foreign Body  | An occurrence where any object originating inside or outside the body is not in its physiological or intended location.   | Foreign Body                            |
| C120883        | FUNGUS                       | Fungi   | The presence of fungi.  | Fungus Present                          |
| C120884        | GERM CELL DEGENERATION       |   | Disturbance of cell integrity and deterioration of germ cells.  | Germ Cell Degeneration                  |

| C120531 NONNEO |  |  |  |  |
|----------------|--|--|--|--|
| NCI Code       | CDISC Submission Value                     | CDISC Synonym                              | CDISC Definition   | NCI Preferred Term                             |
| C120885        | GERM CELL DEPLETION                        |  | Partial or complete absence of germ cell layer(s). (INHAND)  | Germ Cell Depletion                            |
| C120886        | GERM CELL DEPLETION/GERM CELL DEGENERATION | Germ Cell Degeneration/Germ Cell Depletion | A finding that generally has features of germ cell depletion and germ cell degeneration.   | Germ Cell Depletion and Germ Cell Degeneration |
| C26783         | GLIOSIS                                    |  | Nonspecific reactive response of nervous system glial cells, chiefly astrocytes and microglia rather than oligodendroglia.   | Gliosis  |
| C26784         | GLOMERULONEPHRITIS                         | Glomerular Nephritis                       | Inflammatory changes in the renal glomeruli characterized by thickening of the glomerular basement membrane, mesangial cell proliferation and/or mononuclear inflammatory cell infiltration. In some forms, the glomerular epithelial cells may also proliferate and form adhesions. | Glomerulonephritis                             |
| C120887        | GLOMERULOPATHY                             |  | Chronic degenerative changes in the glomeruli characterized by loss of cellularity of glomerular capillary tufts and acellular deposition of immunoglobulins.  | Glomerulopathy                                 |
| C120888        | GLOMERULOSCLEROSIS                         | Glomerular Sclerosis                       | Hyaline deposits or scarring within the renal glomeruli. (INHAND)  | Glomerulosclerosis                             |
| C3064          | GRANULOMA                                  |  | An organized chronic inflammatory reaction characterized by the presence of epithelioid macrophages. Giant cells and/or necrosis can be observed.  | Granuloma                                      |
| C3075          | HAMARTOMA                                  |  | An excessive but focal overgrowth of cells and tissues native to the organ in which it occurs.   | Hamartoma                                      |
| C26791         | HEMORRHAGE                                 |  | The presence of extravascular erythrocytes.  | Hemorrhage                                     |
| C120889        | HEPATODIAPHRAGMATIC NODULE                 |  | A congenital abnormality of the liver, characterized by grossly visible nodule(s) usually located on the median lobe. (INHAND)   | Hepatodiaphragmatic Nodule                     |
| C3111          | HYDROCEPHALUS                              |  | An enlargement of the ventricles relative to brain tissue.   | Hydrocephalus                                  |
| C123638        | HYDROMYELIA                                |  | Dilation of the central canal of the spinal cord.  | Hydromyelia                                    |
| C35541         | HYPERKERATOSIS                             | Increased Keratinization                   | Thickening of the outermost layer of stratified squamous epithelium.   | Hyperkeratosis                                 |
| C3113          | HYPERPLASIA                                |  | Increase in the number of resident cells per unit area in an organ or tissue.  | Hyperplasia                                    |
| C120890        | HYPERPLASIA/METAPLASIA                     | Metaplasia/Hyperplasia                     | A finding that generally has features of hyperplasia and metaplasia.   | Hyperplasia and Metaplasia                     |
| C3124          | HYPERTROPHY                                |  | Cell size enlargement due to the increase in the amount of cytoplasm and its constituent organelles. The cells are larger but otherwise the appearance is unchanged.   | Hypertrophy                                    |
| C120891        | HYPERTROPHY/HYPERPLASIA                    | Hyperplasia/Hypertrophy                    | A finding that generally has features of hypertrophy and hyperplasia.  | Hypertrophy and Hyperplasia                    |
| C120892        | HYPERTROPHY/KARYOMEGALY                    | Karyomegaly/Hypertrophy                    | A finding that generally has features of hypertrophy and karyomegaly.  | Hypertrophy and Karyomegaly                    |
| C120893        | HYPOPLASIA                                 |  | Incomplete or underdevelopment of a tissue or organ. (NCI)   | Hypoplasia                                     |
| C25531         | IMMATURITY                                 |  | In an early period of life or development or growth; not fully developed.  | Immature                                       |
| C123639        | IMPERFORATE VAGINA                         |  | Embryologic remnant consisting of a persistent connective tissue membrane within the vaginal vault.  | Imperforate Vagina                             |
| C120945        | INCLUSION                                  | Inclusion Bodies;Inclusion Body;Inclusions | A general term used to describe abnormal structures present within the cytoplasm or nucleus of a cell. (INHAND)  | Inclusion Body                                 |
| C25738         | INFARCT                                    | Infarction;Infarcts                        | Localized necrosis of tissue resulting from obstruction of the blood supply usually by a thrombus, an embolus, or vascular torsion.  | Infarction                                     |

| C120531 NONNEO |   |  |   |  |
|----------------|---|--|---|--|
| NCI Code       | CDISC Submission Value                    | CDISC Synonym                              | CDISC Definition  | NCI Preferred Term                                   |
| C42077         | INFILTRATE                                | Cellular Infiltration;Infiltration         | An influx of cells, generally leukocytes, in locations or numbers not normally found, without other features of inflammation.   | Cellular Infiltrate                                  |
| C3137          | INFLAMMATION                              |  | A response to an injury or abnormal stimuli characterized by inflammatory cell infiltration and varying degrees of vascular and tissue reactions (hyperemia, edema, fibrin, and/or fibrosis).   | Inflammation   |
| C26834         | INTERSTITIAL NEPHRITIS                    |  | Generalized inflammation of the renal interstitium characterized by a diffuse or patchy distribution of lymphocytes, plasma cells and/or macrophages and variable degrees of edema.   | Interstitial Nephritis                               |
| C120894        | KARYOCYTOMEGLY                            |  | An increase in nuclear size and amount of cytoplasm of a cell. The cells or nucleus may be slightly irregular and/or may be polyploid.  | Karyocytomegaly                                      |
| C120895        | KARYOCYTOMEGLY/MULTINUCLEATED HEPATOCYTES | Multinucleated Hepatocytes/Karyocytomegaly | A finding that generally has features of karyocytomegaly and multinucleated hepatocytes.  | Karyocytomegaly and Multinucleated Hepatocytes       |
| C120896        | KARYOMEGLY                                | Nuclear Enlargement                        | An increase in the size of a cellular nucleus. (NCI)  | Karyomegaly  |
| C84829         | LIPOPROTEINOSIS                           |  | The abnormal, excessive accumulation of acellular, periodic acid-Schiff positive, pale eosinophilic material (lipoprotein-type). This is typically found in the pulmonary alveoli.  | Lipoid Proteinosis of Urbach and Wiethe              |
| C123640        | LUTEINIZED FOLLICLE                       | Luteinized Unruptured Follicle             | A corpus luteum-like structure with a retained oocyte and variably luteinized granulosa cells.  | Experimental Organism Luteinized Unruptured Follicle |
| C2849          | MALFORMATION                              |  | Abnormal or anomalous formation or structure.   | Congenital Abnormality                               |
| C120897        | MESANGIOLYSIS                             |  | A finding in the glomerulus of the kidney, characterized by the degeneration of mesangial cells and the dissolution of the mesangial matrix.  | Mesangiolysis  |
| C61581         | MESONEPHRIC DUCT REMNANT                  |  | The persistence of the mesonephric duct beyond embryogenesis. (NCI)   | Mesonephric Remnants                                 |
| C3236          | METAPLASIA                                |  | Conversion of a mature, normal cell or groups of mature cells to other forms of mature cells.   | Metaplasia   |
| C96272         | MICROABSCCESS                             |  | A very small, circumscribed collection of white blood cells, predominantly neutrophils.   | Microabscess   |
| C120898        | MICROGLIOSIS                              |  | An accumulation of microglial cells in nervous system tissue.   | Microgliosis   |
| C120899        | MINERALIZATION                            | Calcification;Mineral                      | Basophilic, granular deposits of inorganic material in tissue.  | Mineralization                                       |
| C12607         | MULTINUCLEATED GIANT CELL                 |  | An abnormally large cell with more than one nucleus, generally seen in the testis. (INHAND)   | Giant Cell   |
| C120900        | MULTINUCLEATED HEPATOCYTES                |  | Hepatocytes that have multiple nuclei present.  | Multinucleated Hepatocyte                            |
| C127195        | MURINE OBSTRUCTIVE UROPATHY               | Mouse Urological Syndrome (MUS)            | A constellation of findings in male mice characterized by ulceration and/or inflammation of the penis and prepuce, proteinaceous material with inflammatory cells, spermatozoa or desquamated urothelial cells forming a plug in the urethra and generally dilatation of the bladder, hydroureter and hydronephrosis. | Mouse Urological Syndrome                            |
| C16897         | NECROSIS                                  |  | Death of a group of cells in an organ or tissue. (INHAND)   | Necrotic Process                                     |
| C126089        | NEEDLE TRACT LESION                       |  | Focal lesion in the tissue due to insertion and/or withdrawal of the needle.  | Needle Tract Lesion                                  |

| C120531 NONNEO |                         |                       |   |  |
|----------------|-------------------------|-----------------------|---|--|
| NCI Code       | CDISC Submission Value  | CDISC Synonym         | CDISC Definition  | NCI Preferred Term                                 |
| C66851         | NEPHROBLASTEMATOSIS     |                       | Small, focal or locally extensive basophilic cell mass of blast cells with ill-defined cytoplasm and nuclei, which may be present in one or both kidneys. May arise from remnant of developing metanephric blastema.  | Diffuse Hyperplastic Perilobar Nephroblastomatosis |
| C120901        | NEURONOPHAGIA           |                       | The phagocytosis of degenerating neurons.   | Neuronophagia                                      |
| C3284          | OBSTRUCTION             |                       | Complete or partial blockage of the lumen of a tubular structure.   | Obstruction  |
| C120902        | OBSTRUCTIVE NEPHROPATHY |                       | Renal damage secondary to crystal deposition in the tubular lumen or blockage of urinary outflow in the bladder or urethra. Lesion is characterized by interstitial granulomatous inflammation often with epithelioid cells and multinucleated giant cells, crystal deposition or evidence of blockage of the ureters (e.g. proteinaceous plug in male mice). (INHAND)  | Obstructive Nephropathy                            |
| C85207         | OVOTESTIS               |                       | A rare condition characterized by the unequivocal presence of both testicular and ovarian tissues in a gonad.   | True Hermaphroditism                               |
| C120903        | PARASITE                | Parasites             | The presence of parasites and/or parasitic ova.   | Parasite Present                                   |
| C4080          | PERFORATION             |                       | A hole or opening through a membrane or other tissue that is not normally present.  | Perforation  |
| C61250         | PHOSPHOLIPIDOSIS        |                       | Disorder caused by defects in the function of the lysosomes resulting in the presence of small clear vacuoles containing phospholipids within the cytoplasm of various cells. (INHAND)  | Lysosomal Storage Disease                          |
| C38005         | PIGMENT                 | Pigmentation;Pigments | Accumulation of exogenous or endogenous colored material within an organ, tissue or cell. (INHAND)  | Pigmentation                                       |
| C123641        | POLYOVULAR FOLLICLE     |                       | An ovarian follicle that contains more than one oocyte.   | Polyovular Follicle                                |
| C36173         | PROLAPSE                |                       | A condition in which an organ drops or bulges out of place. (NCI)   | Prolapse   |
| C123642        | PROSTATIC RUDIMENT      |                       | An embryological structure composed of epithelial cells surrounded by mesenchyme that gives rise, in the male, to the prostate gland.   | Prostatic Rudiment                                 |
| C120904        | PROTEINACEOUS PLUG      | Seminal Plug          | Eosinophilic proteinaceous material in male urinary bladder or urethra. (INHAND)  | Proteinaceous Plug                                 |
| C78582         | PUSTULE                 |                       | A circumscribed skin or mucosal epithelial lesion filled with purulent material.  | Pustular Lesion                                    |
| C34965         | PYELONEPHRITIS          |                       | A tubulointerstitial inflammatory disease involving a spectrum of lesions affecting the tubules, interstitium and/or the pelvis of the kidney. Pyelonephritis can result from infections, both ascending and descending and following papillary necrosis and urothelial ulceration. Certain strains of rodents are particularly susceptible to developing spontaneous pyelonephritis and are used as animal models to assess antibiotic therapy. (INHAND) | Pyelonephritis                                     |
| C121207        | PYOMETRA                |                       | The accumulation of inflammatory cells, predominantly neutrophils, within the uterus and lumen.   | Pyometra   |
| C17083         | REGENERATION            |                       | A reparative process to replace lost or damaged cells, commonly characterized by cellular basophilia, increased nuclear cytoplasmic ratio and/or irregular architecture.  | Regeneration                                       |



| C120531 NONNEO |                             |                    |   |                               |
|----------------|-----------------------------|--------------------|---|-------------------------------|
| NCI Code       | CDISC Submission Value      | CDISC Synonym      | CDISC Definition  | NCI Preferred Term            |
| C120905        | RETROGRADE NEPHROPATHY      |                    | Constellation of tubule changes extending from papilla to cortex. In the cortex, the lesions consist of linear patches of tubular basophilia coupled with tubular dilation and tracts of basophilic, hyperplastic collecting ducts, often with mitotic figures. Inflammation is usually not a prominent component. Differentiated from obstructive nephropathy by absence of granulomatous inflammation and crystals. | Reflux Nephropathy            |
| C40119         | SALPINGITIS ISTHMICA NODOSA |                    | Nodules and diverticuli in the isthmus of the fallopian tube.   | Salpingitis Isthmica Nodosa   |
| C98382         | SATELLITOSIS                |                    | A finding characterized by the presence of rings or clusters of primarily oligodendroglia near a degenerating neuron cell body.   | Perineuronal Satellitosis     |
| C120906        | SEPTAL DEVIATION            |                    | An alteration of the septum from the midline. This is typically seen in the nasal cavity.   | Septal Deviation              |
| C120907        | SPERM STASIS                |                    | Luminal aggregation of released sperm generally within an atrophic tubule. (INHAND)   | Spermatic Stasis              |
| C120908        | SPERMATID RETENTION         |                    | Persistence of mature elongating spermatids in the seminiferous tubule after the normal stage of physiologic release.   | Spermatid Retention           |
| C120909        | SPERMATOCELE                |                    | A benign cystic dilatation in the epididymis or testis that contains fluid and spermatozoa.   | Spermatocele                  |
| C3134          | SQUAMOUS CYST               |                    | A sac-like structure lined by stratified squamous epithelium. (INHAND)  | Epidermal Inclusion Cyst      |
| C85179         | SYRINGOMYELIA               |                    | Cavitation of the spinal cord parenchyma.   | Syringomyelia                 |
| C123643        | SYRINGOMYELIA/HYDROMYELIA   |                    | A finding that generally has features of syringomyelia and hydromyelia.   | Syringomyelia and Hydromyelia |
| C120910        | TENSION LIPIDOSIS           |                    | A focus of hepatocytes containing well delineated circular clear spaces in the liver, often near mesenteric attachments such as the falciform ligament.   | Tension Lipidosis             |
| C27083         | THROMBUS                    | Thrombi;Thrombosis | An intravascular aggregation of blood components, primarily platelets and fibrin with entrapment of cellular elements, which is attached to the vessel wall.  | Blood Clot                    |
| C120911        | TYPE II ASTROCYTES          |                    | Cytotoxic response of astrocytes characterized by swollen nuclei with central clearing, margined heterochromatin, prominent/swollen nucleoli and indistinct cytoplasm.  | Alzheimer Type II Astrocyte   |
| C3426          | ULCER                       | Ulceration         | Destruction of an epithelial surface extending into or beyond the basement membrane.  | Ulcer                         |
| C96302         | VACUOLATION                 | Vacuoles           | The presence of vacuoles within the cytoplasm of cells.   | Cytoplasmic Vacuolation       |
| C120912        | VESICLE                     |                    | An abnormal fluid-filled cleft (e.g. as in the epidermis) or membrane-bound space.  | Vesicle                       |
| C120913        | YEAST                       |                    | The presence of yeast.  | Yeast Present                 |

## NY (No Yes Response)

NCI Code: C66742, Codelist extensible: No

| C66742 NY |                        |                   |  |                    |
|-----------|------------------------|-------------------|--|--------------------|
| NCI Code  | CDISC Submission Value | CDISC Synonym     | CDISC Definition   | NCI Preferred Term |
| C49487    | N                      | No                | The non-affirmative response to a question. (NCI)                      | No                 |
| C48660    | NA                     | NA;Not Applicable | Determination of a value is not relevant in the current context. (NCI) | Not Applicable     |
| C17998    | U                      | U;Unknown         | Not known, not observed, not recorded, or refused. (NCI)               | Unknown            |
| C49488    | Y                      | Yes               | The affirmative response to a question. (NCI)                          | Yes                |

**OMTEST (Organ Measurement Test Name)**

NCI Code: C89976, Codelist extensible: Yes

| <b>C89976 OMTES</b> |                               |                             |  |                             |
|---------------------|-------------------------------|-----------------------------|--|-----------------------------|
| <b>NCI Code</b>     | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b>        | <b>CDISC Definition</b>  | <b>NCI Preferred Term</b>   |
| C90426              | Organ to Body Weight Ratio    | Organ to Body Weight Ratio  | A numeric comparison of the weight of an organ to body weight.   | Organ to Body Weight Ratio  |
| C90427              | Organ to Brain Weight Ratio   | Organ to Brain Weight Ratio | A numeric comparison of the weight of an organ to the weight of the brain.   | Organ to Brain Weight Ratio |
| C90428              | Organ to Heart Weight Ratio   | Organ to Heart Weight Ratio | A numeric comparison of the weight of an organ to the weight of the heart.   | Organ to Heart Weight Ratio |
| C41145              | Thickness                     | Thickness                   | The dimension between two surfaces of an object, usually the smallest dimension as opposed to the width or the length. | Thickness                   |
| C120721             | Thickness, Mean               | Thickness, Mean             | The mean number in a group of values that represent the thickness of an object.  | Mean Thickness              |
| C25208              | Weight                        | Weight                      | The vertical force exerted by a mass as a result of gravity. (NCI)   | Weight                      |

## OMTESTCD (Organ Measurement Test Code)

NCI Code: C89977, Codelist extensible: Yes

| C89977 OMTSTCD |                        |                             |  |                             |
|----------------|------------------------|-----------------------------|--|-----------------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym               | CDISC Definition   | NCI Preferred Term          |
| C90427         | OWBR                   | Organ to Brain Weight Ratio | A numeric comparison of the weight of an organ to the weight of the brain.   | Organ to Brain Weight Ratio |
| C90426         | OWBW                   | Organ to Body Weight Ratio  | A numeric comparison of the weight of an organ to body weight.   | Organ to Body Weight Ratio  |
| C90428         | OWHT                   | Organ to Heart Weight Ratio | A numeric comparison of the weight of an organ to the weight of the heart.   | Organ to Heart Weight Ratio |
| C41145         | THCKN                  | Thickness                   | The dimension between two surfaces of an object, usually the smallest dimension as opposed to the width or the length. | Thickness                   |
| C120721        | THCKNMN                | Thickness, Mean             | The mean number in a group of values that represent the thickness of an object.  | Mean Thickness              |
| C25208         | WEIGHT                 | Weight                      | The vertical force exerted by a mass as a result of gravity. (NCI)   | Weight                      |

**PHSPRP (Physical Properties Test Name)**

NCI Code: C95120, Codelist extensible: Yes

| C95120 PHSPRP |                        |               |   |                    |
|---------------|------------------------|---------------|---|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C37927        | Color                  | Color         | The appearance of objects (or light sources) described in terms of a person's perception of their hue and lightness (or brightness) and saturation. (NCI) | Color              |
| C95110        | Consistency            | Consistency   | A description about the firmness or make-up of an entity.   | Consistency        |
| C25333        | Depth                  | Depth         | The extent downward or inward; the perpendicular measurement from the surface downward to determine deepness. (NCI)                                       | Depth              |
| C25365        | Description            | Description   | A written or verbal account, representation, statement, or explanation of something. (NCI)  | Description        |
| C25285        | Diameter               | Diameter      | The length of a straight line passing through the center of a circle or sphere and connecting two points on the circumference. (NCI)                      | Diameter           |
| C95109        | Hair Cover             | Hair Cover    | A description of the quantity or quality of the hair or fur covering a biological entity. (NCI)   | Hair or Fur Cover  |
| C25334        | Length                 | Length        | The linear extent in space from one end of something to the other end, or the extent of something from beginning to end. (NCI)                            | Length             |
| C25677        | Shape                  | Shape         | The spatial arrangement of something as distinct from its substance. (NCI)  | Shape              |
| C25757        | Ulceration             | Ulceration    | The formation or development of an ulcer. (NCI)   | Ulceration         |
| C25345        | Width                  | Width         | The extent or measurement of something from side to side. (NCI)   | Width              |

## PHSPRPCD (Physical Properties Test Code)

NCI Code: C95121, Codelist extensible: Yes

| C95121 PHSPRPCD |                        |               |   |                    |
|-----------------|------------------------|---------------|---|--------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C37927          | COLOR                  | Color         | The appearance of objects (or light sources) described in terms of a person's perception of their hue and lightness (or brightness) and saturation. (NCI) | Color              |
| C95110          | CONSIST                | Consistency   | A description about the firmness or make-up of an entity.   | Consistency        |
| C25333          | DEPTH                  | Depth         | The extent downward or inward; the perpendicular measurement from the surface downward to determine deepness. (NCI)                                       | Depth              |
| C25365          | DESCR                  | Description   | A written or verbal account, representation, statement, or explanation of something. (NCI)  | Description        |
| C25285          | DIAMETER               | Diameter      | The length of a straight line passing through the center of a circle or sphere and connecting two points on the circumference. (NCI)                      | Diameter           |
| C95109          | HAIRCOV                | Hair Cover    | A description of the quantity or quality of the hair or fur covering a biological entity. (NCI)   | Hair or Fur Cover  |
| C25334          | LENGTH                 | Length        | The linear extent in space from one end of something to the other end, or the extent of something from beginning to end. (NCI)                            | Length             |
| C25677          | SHAPE                  | Shape         | The spatial arrangement of something as distinct from its substance. (NCI)  | Shape              |
| C25757          | ULCER                  | Ulceration    | The formation or development of an ulcer. (NCI)   | Ulceration         |
| C25345          | WIDTH                  | Width         | The extent or measurement of something from side to side. (NCI)   | Width              |

## PKPARM (PK Parameters)

NCI Code: C85493, Codelist extensible: Yes

| C85493 PKPARM |                                      |                                      |   |   |
|---------------|--------------------------------------|--------------------------------------|---|---|
| NCI Code      | CDISC Submission Value               | CDISC Synonym                        | CDISC Definition  | NCI Preferred Term  |
| C114234       | Accumulation Index using Lambda z    | Accumulation Index using Lambda z    | Predicted accumulation ratio for area under the curve (AUC) calculated using the Lambda z estimated from single dose data.  | Accumulation Index using Lambda z                                 |
| C122329       | Accumulation Ratio AUC from T1 to T2 | Accumulation Ratio AUC from T1 to T2 | The area under the curve from T1 to T2 at steady state divided by the area under the curve from T1 to T2 during the initial dosing interval.  | Accumulation Ratio Area Under the Curve from T1 to T2             |
| C102356       | Accumulation Ratio AUCTAU            | Accumulation Ratio AUCTAU            | The area under the curve (AUCTAU) at steady state divided by the area under the curve (AUCTAU) over the initial dosing interval.  | Accumulation Ratio Area Under the Curve                           |
| C102357       | Accumulation Ratio Cmax              | Accumulation Ratio Cmax              | The maximum concentration at steady state divided by the maximum concentration during the initial dosing interval.  | Accumulation Ratio Cmax   |
| C102358       | Accumulation Ratio Cmin              | Accumulation Ratio Cmin              | The minimum concentration at steady state divided by the minimum concentration during the initial dosing interval.  | Accumulation Ratio Cmin   |
| C102426       | Accumulation Ratio Ctrough           | Accumulation Ratio Ctrough           | The trough concentration at steady state divided by the trough concentration during the initial dosing interval.  | Accumulation Ratio Ctrough  |
| C102359       | Amt Rec from T1 to T2                | Amt Rec from T1 to T2                | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2.   | Amount Recovered from T1 to T2                                    |
| C102360       | Amt Rec from T1 to T2 Norm by BMI    | Amt Rec from T1 to T2 Norm by BMI    | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by body mass index.  | Amount Recovered from T1 to T2 Normalized by Body Mass Index      |
| C102361       | Amt Rec from T1 to T2 Norm by SA     | Amt Rec from T1 to T2 Norm by SA     | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by surface area.   | Amount Recovered from T1 to T2 Normalized by Surface Area         |
| C102362       | Amt Rec from T1 to T2 Norm by WT     | Amt Rec from T1 to T2 Norm by WT     | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by weight.   | Amount Recovered from T1 to T2 Normalized by Weight               |
| C112032       | Amt Rec Infinity Obs                 | Amt Rec Infinity Obs                 | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration.                                  | Amount Recovered Infinity Observed                                |
| C112223       | Amt Rec Infinity Obs Norm by BMI     | Amt Rec Infinity Obs Norm by BMI     | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Amount Recovered Infinity Observed Normalized by Body Mass Index  |
| C112224       | Amt Rec Infinity Obs Norm by SA      | Amt Rec Infinity Obs Norm by SA      | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Amount Recovered Infinity Observed Normalized by Surface Area     |
| C112225       | Amt Rec Infinity Obs Norm by WT      | Amt Rec Infinity Obs Norm by WT      | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Amount Recovered Infinity Observed Normalized by Weight           |
| C112033       | Amt Rec Infinity Pred                | Amt Rec Infinity Pred                | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.                                 | Amount Recovered Infinity Predicted                               |
| C112226       | Amt Rec Infinity Pred Norm by BMI    | Amt Rec Infinity Pred Norm by BMI    | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Amount Recovered Infinity Predicted Normalized by Body Mass Index |
| C112227       | Amt Rec Infinity Pred Norm by SA     | Amt Rec Infinity Pred Norm by SA     | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Amount Recovered Infinity Predicted Normalized by Surface Area    |
| C112228       | Amt Rec Infinity Pred Norm by WT     | Amt Rec Infinity Pred Norm by WT     | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Amount Recovered Infinity Predicted Normalized by Weight          |
| C102363       | Amt Rec Over Dosing Interval         | Amt Rec Over Dosing Interval         | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU).   | Amount Recovered Over Dosing Interval                             |

| C85493 PKPARM |  |  |  |   |
|---------------|--|--|--|---|
| NCI Code      | CDISC Submission Value                   | CDISC Synonym                            | CDISC Definition   | NCI Preferred Term  |
| C102364       | Amt Rec Over Dosing Interval Norm by BMI | Amt Rec Over Dosing Interval Norm by BMI | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by body mass index.   | Amount Recovered Over Dosing Interval Normalized by Body Mass Index |
| C102365       | Amt Rec Over Dosing Interval Norm by SA  | Amt Rec Over Dosing Interval Norm by SA  | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by surface area.  | Amount Recovered Over Dosing Interval Normalized by Surface Area    |
| C102366       | Amt Rec Over Dosing Interval Norm by WT  | Amt Rec Over Dosing Interval Norm by WT  | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by weight.  | Amount Recovered Over Dosing Interval Normalized by Weight          |
| C85763        | AUC %Back Extrapolation Obs              | AUC %Back Extrapolation Obs              | Applies only for intravascular bolus dosing. The area under the curve (AUC) from the first measured concentration value back extrapolated to the concentration value at time zero as a percentage of the area under the curve extrapolated to infinity using the observed value of the last non-zero concentration.  | Observed Area Under the Curve Percent Back Extrapolation            |
| C85787        | AUC %Back Extrapolation Pred             | AUC %Back Extrapolation Pred             | Applies only for intravascular bolus dosing. The area under the curve (AUC) from the first measured concentration value back extrapolated to the concentration value at time zero as a percentage of the area under the curve extrapolated to infinity using the predicted value of the last non-zero concentration. | Predicted Area Under the Curve Percent Back Extrapolation           |
| C85764        | AUC %Extrapolation Obs                   | AUC %Extrapolation Obs                   | The area under the curve (AUC) from the last observed non-zero concentration value to infinity as a percentage of the area under the curve extrapolated to infinity.   | Observed Area Under the Curve Percent Extrapolation                 |
| C85788        | AUC %Extrapolation Pred                  | AUC %Extrapolation Pred                  | The area under the curve (AUC) from the last predicted non-zero concentration value to infinity as a percentage of the area under the curve extrapolated to infinity.  | Predicted Area Under the Curve Percent Extrapolation                |
| C85564        | AUC All                                  | AUC All                                  | The area under the curve (AUC) from the time of dosing to the time of the last observation, regardless of whether the last concentration is measurable or not.   | Area Under the Curve All  |
| C92362        | AUC All Norm by BMI                      | AUC All Norm by BMI                      | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the body mass index, regardless of whether the last concentration is measurable or not.  | AUC All Normalized by Body Mass Index                               |
| C92306        | AUC All Norm by Dose                     | AUC All Norm by Dose                     | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the dose, regardless of whether the last concentration is measurable or not.   | AUC All Normalized by Dose  |
| C92307        | AUC All Norm by SA                       | AUC All Norm by SA                       | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the surface area, regardless of whether the last concentration is measurable or not.   | AUC All Normalized by Surface Area                                  |
| C92308        | AUC All Norm by WT                       | AUC All Norm by WT                       | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the weight, regardless of whether the last concentration is measurable or not.   | AUC All Normalized by Weight  |
| C85566        | AUC from T1 to T2                        | AUC from T1 to T2                        | The area under the curve (AUC) over the interval from T1 to T2.  | Area Under the Curve from T1 to T2                                  |
| C92312        | AUC from T1 to T2 Norm by BMI            | AUC from T1 to T2 Norm by BMI            | The area under the curve (AUC) over the interval from T1 to T2 divided by the body mass index.   | AUC from T1 to T2 Normalized by Body Mass Index                     |
| C92313        | AUC from T1 to T2 Norm by Dose           | AUC from T1 to T2 Norm by Dose           | The area under the curve (AUC) over the interval from T1 to T2 divided by the dose.  | AUC from T1 to T2 Normalized by Dose                                |
| C92314        | AUC from T1 to T2 Norm by SA             | AUC from T1 to T2 Norm by SA             | The area under the curve (AUC) over the interval from T1 to T2 divided by the surface area.  | AUC from T1 to T2 Normalized by Surface Area                        |
| C92315        | AUC from T1 to T2 Norm by WT             | AUC from T1 to T2 Norm by WT             | The area under the curve (AUC) over the interval from T1 to T2 divided by the weight.  | AUC from T1 to T2 Normalized by Weight                              |
| C85761        | AUC Infinity Obs                         | AUC Infinity Obs                         | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration.   | Observed Area Under the Curve Infinity                              |
| C92316        | AUC Infinity Obs Norm by BMI             | AUC Infinity Obs Norm by BMI             | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.   | AUC Infinity Observed Normalized by Body Mass Index                 |



| C85493 PKPARM |                                       |                                       |  |   |
|---------------|---------------------------------------|---------------------------------------|--|---|
| NCI Code      | CDISC Submission Value                | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term  |
| C96695        | AUC Infinity Obs Norm by Dose         | AUC Infinity Obs Norm by Dose         | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the dose.                                | AUC Infinity Observed Normalized by Dose                          |
| C92317        | AUC Infinity Obs Norm by SA           | AUC Infinity Obs Norm by SA           | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.                        | AUC Infinity Observed Normalized by Surface Area                  |
| C92318        | AUC Infinity Obs Norm by WT           | AUC Infinity Obs Norm by WT           | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.                              | AUC Infinity Observed Normalized by Weight                        |
| C85785        | AUC Infinity Pred                     | AUC Infinity Pred                     | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.  | Predicted Area Under the Curve Infinity                           |
| C92319        | AUC Infinity Pred Norm by BMI         | AUC Infinity Pred Norm by BMI         | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.                    | AUC Infinity Predicted Normalized by Body Mass Index              |
| C85786        | AUC Infinity Pred Norm by Dose        | AUC Infinity Pred Norm by Dose        | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the dose.                               | Predicted Area Under the Curve Infinity by Dose                   |
| C92320        | AUC Infinity Pred Norm by SA          | AUC Infinity Pred Norm by SA          | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.                       | AUC Infinity Predicted Normalized by Surface Area                 |
| C92321        | AUC Infinity Pred Norm by WT          | AUC Infinity Pred Norm by WT          | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.                             | AUC Infinity Predicted Normalized by Weight                       |
| C85567        | AUC Over Dosing Interval              | AUC Over Dosing Interval              | The area under the curve (AUC) for the defined interval between doses (TAU).   | Area Under the Curve Over Dosing Interval                         |
| C92322        | AUC Over Dosing Interval Norm by BMI  | AUC Over Dosing Interval Norm by BMI  | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the body mass index.  | AUC Over Dosing Interval Normalized by Body Mass Index            |
| C92323        | AUC Over Dosing Interval Norm by Dose | AUC Over Dosing Interval Norm by Dose | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the dose.   | AUC Over Dosing Interval Normalized by Dose                       |
| C92324        | AUC Over Dosing Interval Norm by SA   | AUC Over Dosing Interval Norm by SA   | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the surface area.   | AUC Over Dosing Interval Normalized by Surface Area               |
| C92325        | AUC Over Dosing Interval Norm by WT   | AUC Over Dosing Interval Norm by WT   | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the weight.   | AUC Over Dosing Interval Normalized by Weight                     |
| C85565        | AUC to Last Nonzero Conc              | AUC to Last Nonzero Conc              | The area under the curve (AUC) from the time of dosing to the last measurable concentration.   | Area Under the Curve From Dosing to Last Concentration            |
| C92309        | AUC to Last Nonzero Conc Norm by BMI  | AUC to Last Nonzero Conc Norm by BMI  | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the body mass index.  | AUC Dosing to Last Concentration Normalized by Body Mass Index    |
| C92310        | AUC to Last Nonzero Conc Norm by Dose | AUC to Last Nonzero Conc Norm by Dose | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the dose.   | AUC Dosing to Last Concentration Normalized by Dose               |
| C92311        | AUC to Last Nonzero Conc Norm by SA   | AUC to Last Nonzero Conc Norm by SA   | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the surface area.   | AUC Dosing to Last Concentration Normalized by Surface Area       |
| C92305        | AUC to Last Nonzero Conc Norm by WT   | AUC to Last Nonzero Conc Norm by WT   | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the weight.   | AUC Dosing to Last Concentration Normalized by Weight             |
| C85766        | AUMC % Extrapolation Obs              | AUMC % Extrapolation Obs              | The area under the moment curve (AUMC) from the last observed non-zero concentration value to infinity as a percentage of the area under the moment curve extrapolated to infinity.  | Observed Area Under the First Moment Curve Percent Extrapolation  |
| C85790        | AUMC % Extrapolation Pred             | AUMC % Extrapolation Pred             | The area under the moment curve (AUMC) from the last predicted non-zero concentration value to infinity as a percentage of the area under the moment curve extrapolated to infinity. | Predicted Area Under the First Moment Curve Percent Extrapolation |
| C85765        | AUMC Infinity Obs                     | AUMC Infinity Obs                     | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration.   | Observed Area Under the First Moment Curve Infinity               |

| C85493 PKPARAM |  |  |  |  |
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| NCI Code       | CDISC Submission Value                 | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term   |
| C92330         | AUMC Infinity Obs Norm by BMI          | AUMC Infinity Obs Norm by BMI          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.                                   | AUMC Infinity Observed Normalized by Body Mass Index                       |
| C92331         | AUMC Infinity Obs Norm by Dose         | AUMC Infinity Obs Norm by Dose         | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the dose.  | AUMC Infinity Observed Normalized by Dose                                  |
| C92332         | AUMC Infinity Obs Norm by SA           | AUMC Infinity Obs Norm by SA           | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.                                      | AUMC Infinity Observed Normalized by Surface Area                          |
| C92333         | AUMC Infinity Obs Norm by WT           | AUMC Infinity Obs Norm by WT           | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.  | AUMC Infinity Observed Normalized by Weight                                |
| C85789         | AUMC Infinity Pred                     | AUMC Infinity Pred                     | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.  | Predicted Area Under the First Moment Curve Infinity                       |
| C92334         | AUMC Infinity Pred Norm by BMI         | AUMC Infinity Pred Norm by BMI         | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.                                  | AUMC Infinity Predicted Normalized by Body Mass Index                      |
| C92335         | AUMC Infinity Pred Norm by Dose        | AUMC Infinity Pred Norm by Dose        | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the dose.   | AUMC Infinity Predicted Normalized by Dose                                 |
| C92336         | AUMC Infinity Pred Norm by SA          | AUMC Infinity Pred Norm by SA          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.                                     | AUMC Infinity Predicted Normalized by Surface Area                         |
| C92337         | AUMC Infinity Pred Norm by WT          | AUMC Infinity Pred Norm by WT          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.   | AUMC Infinity Predicted Normalized by Weight                               |
| C85570         | AUMC Over Dosing Interval              | AUMC Over Dosing Interval              | The area under the first moment curve (AUMC) for the defined interval between doses (TAU).   | Area Under the First Moment Curve Over Dosing Interval                     |
| C92338         | AUMC Over Dosing Interval Norm by BMI  | AUMC Over Dosing Interval Norm by BMI  | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the body mass index.  | AUMC Over Dosing Interval Normalized by Body Mass Index                    |
| C92339         | AUMC Over Dosing Interval Norm by Dose | AUMC Over Dosing Interval Norm by Dose | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the dose.   | AUMC Over Dosing Interval Normalized by Dose                               |
| C92340         | AUMC Over Dosing Interval Norm by SA   | AUMC Over Dosing Interval Norm by SA   | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the surface area.   | AUMC Over Dosing Interval Normalized by Surface Area                       |
| C92341         | AUMC Over Dosing Interval Norm by WT   | AUMC Over Dosing Interval Norm by WT   | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the weight.   | AUMC Over Dosing Interval Normalized by Weight                             |
| C85569         | AUMC to Last Nonzero Conc              | AUMC to Last Nonzero Conc              | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration.   | Area Under the First Moment Curve From Dosing to Last Concentration        |
| C92326         | AUMC to Last Nonzero Conc Norm by BMI  | AUMC to Last Nonzero Conc Norm by BMI  | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the body mass index.  | AUMC Dosing to Last Concentration Normalized by Body Mass Index            |
| C92327         | AUMC to Last Nonzero Conc Norm by Dose | AUMC to Last Nonzero Conc Norm by Dose | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the dose.   | AUMC Dosing to Last Concentration Normalized by Dose                       |
| C92328         | AUMC to Last Nonzero Conc Norm by SA   | AUMC to Last Nonzero Conc Norm by SA   | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the surface area.   | AUMC Dosing to Last Concentration Normalized by Surface Area               |
| C92329         | AUMC to Last Nonzero Conc Norm by WT   | AUMC to Last Nonzero Conc Norm by WT   | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the weight.   | AUMC Dosing to Last Concentration Normalized by Weight                     |
| C85768         | AURC % Extrapolation Obs               | AURC % Extrapolation Obs               | The area under the urinary excretion rate curve (AURC) from the last observed non-zero rate value to infinity as a percentage of the area under the urinary excretion rate curve extrapolated to infinity. | Observed Area Under the Urinary Excretion Rate Curve Percent Extrapolation |

| C85493 PKPARAM |                                       |  |   |   |
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| NCI Code       | CDISC Submission Value                | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term  |
| C85792         | AURC % Extrapolation Pred             | AURC % Extrapolation Pred              | The area under the urinary excretion rate curve (AURC) from the last predicted non-zero rate value to infinity as a percentage of the area under the urinary excretion rate curve extrapolated to infinity. | Predicted Area Under the Urinary Excretion Rate Curve Percent Extrapolation |
| C85841         | AURC All                              | AURC All                               | The area under the urinary excretion rate curve (AURC) from time zero to the time of the last observation, regardless of whether the last observation is a measurable concentration or not.                 | Area Under Urinary Excretion Rate Curve All                                 |
| C92342         | AURC All Norm by BMI                  | AURC All Norm by BMI                   | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the body mass index.   | AURC All Normalized by Body Mass Index                                      |
| C92343         | AURC All Norm by Dose                 | AURC All Norm by Dose                  | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the dose.  | AURC All Normalized by Dose   |
| C92344         | AURC All Norm by SA                   | AURC All Norm by SA                    | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the surface area.  | AURC All Normalized by Surface Area   |
| C92345         | AURC All Norm by WT                   | AURC All Norm by WT                    | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the weight.  | AURC All Normalized by Weight   |
| C92346         | AURC Dosing to Last Conc Norm by BMI  | AURC to Last Nonzero Rate Norm by BMI  | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the body mass index.  | AURC Dosing to Last Concentration Normalized by Body Mass Index             |
| C92347         | AURC Dosing to Last Conc Norm by Dose | AURC to Last Nonzero Rate Norm by Dose | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the dose.   | AURC Dosing to Last Concentration Normalized by Dose                        |
| C92348         | AURC Dosing to Last Conc Norm by SA   | AURC to Last Nonzero Rate Norm by SA   | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the surface area.   | AURC Dosing to Last Concentration Normalized by Surface Area                |
| C92349         | AURC Dosing to Last Conc Norm by WT   | AURC to Last Nonzero Rate Norm by WT   | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the weight.   | AURC Dosing to Last Concentration Normalized by Weight                      |
| C85572         | AURC from T1 to T2                    | AURC from T1 to T2                     | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2.   | Area Under the Urinary Excretion Rate Curve from T1 to T2                   |
| C92350         | AURC from T1 to T2 Norm by BMI        | AURC from T1 to T2 Norm by BMI         | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the body mass index.  | AURC from T1 to T2 Normalized by Body Mass Index                            |
| C92351         | AURC from T1 to T2 Norm by Dose       | AURC from T1 to T2 Norm by Dose        | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the dose.   | AURC from T1 to T2 Normalized by Dose                                       |
| C92352         | AURC from T1 to T2 Norm by SA         | AURC from T1 to T2 Norm by SA          | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the surface area.   | AURC from T1 to T2 Normalized by Surface Area                               |
| C92353         | AURC from T1 to T2 Norm by WT         | AURC from T1 to T2 Norm by WT          | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the weight.   | AURC from T1 to T2 Normalized by Weight                                     |
| C85767         | AURC Infinity Obs                     | AURC Infinity Obs                      | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate.  | Observed Area Under the Urinary Excretion Rate Curve infinity               |
| C92354         | AURC Infinity Obs Norm by BMI         | AURC Infinity Obs Norm by BMI          | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the body mass index.                            | AURC Infinity Observed Normalized by Body Mass Index                        |
| C92355         | AURC Infinity Obs Norm by Dose        | AURC Infinity Obs Norm by Dose         | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the dose.                                       | AURC Infinity Observed Normalized by Dose                                   |
| C92356         | AURC Infinity Obs Norm by SA          | AURC Infinity Obs Norm by SA           | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the surface area.                               | AURC Infinity Observed Normalized by Surface Area                           |
| C92357         | AURC Infinity Obs Norm by WT          | AURC Infinity Obs Norm by WT           | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the weight.                                     | AURC Infinity Observed Normalized by Weight                                 |

| C85493 PKPARM |   |   |  |   |
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| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term  |
| C85791        | AURC Infinity Pred                      | AURC Infinity Pred                      | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate.                                 | Predicted Area Under the Urinary Excretion Rate Curve Infinity                |
| C92358        | AURC Infinity Pred Norm by BMI          | AURC Infinity Pred Norm by BMI          | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the body mass index. | AURC Infinity Predicted Normalized by Body Mass Index                         |
| C92359        | AURC Infinity Pred Norm by Dose         | AURC Infinity Pred Norm by Dose         | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the dose.            | AURC Infinity Predicted Normalized by Dose                                    |
| C92360        | AURC Infinity Pred Norm by SA           | AURC Infinity Pred Norm by SA           | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the surface area.    | AURC Infinity Predicted Normalized by Surface Area                            |
| C92361        | AURC Infinity Pred Norm by WT           | AURC Infinity Pred Norm by WT           | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the weight.          | AURC Infinity Predicted Normalized by Weight                                  |
| C85571        | AURC to Last Nonzero Rate               | AURC to Last Nonzero Rate               | The area under the urinary excretion rate curve (AURC) from time zero to the time of the last measurable concentration.  | Area Under the Urinary Excretion Rate Curve From Dosing to Last Concentration |
| C92367        | Average Conc Norm by BMI                | Average Conc Norm by BMI                | AUCTAU divided by TAU and then divided by the body mass index.   | Average Concentration Normalized by Body Mass Index                           |
| C92368        | Average Conc Norm by Dose               | Average Conc Norm by Dose               | AUCTAU divided by TAU and then divided by the dose.  | Average Concentration Normalized by Dose                                      |
| C92369        | Average Conc Norm by SA                 | Average Conc Norm by SA                 | AUCTAU divided by TAU and then divided by the surface area.  | Average Concentration Normalized by Surface Area                              |
| C92370        | Average Conc Norm by WT                 | Average Conc Norm by WT                 | AUCTAU divided by TAU and then divided by the weight.  | Average Concentration Normalized by Weight                                    |
| C85575        | Average Concentration                   | Average Concentration                   | AUCTAU divided by TAU.   | Average Concentration   |
| C102367       | Conc by BMI                             | Conc by BMI                             | The concentration divided by body mass index.  | Concentration Divided by Body Mass Index                                      |
| C102368       | Conc by Dose                            | Conc by Dose                            | The concentration divided by dose.   | Concentration Divided by Dose   |
| C102369       | Conc by SA                              | Conc by SA                              | The concentration divided by surface area.   | Concentration Divided by Surface Area   |
| C102370       | Conc by WT                              | Conc by WT                              | The concentration divided by weight.   | Concentration Divided by Weight   |
| C102394       | Conc Trough                             | Conc Trough                             | Concentration at end of dosing interval.   | Trough Concentration  |
| C102395       | Conc Trough by BMI                      | Conc Trough by BMI                      | The trough concentration divided by body mass index.   | Trough Concentration Divided by Body Mass Index                               |
| C102396       | Conc Trough by Dose                     | Conc Trough by Dose                     | The trough concentration divided by dose.  | Trough Concentration Divided by Dose  |
| C102397       | Conc Trough by SA                       | Conc Trough by SA                       | The trough concentration divided by surface area.  | Trough Concentration Divided by Surface Area                                  |
| C102398       | Conc Trough by WT                       | Conc Trough by WT                       | The trough concentration divided by weight.  | Trough Concentration Divided by Weight  |
| C41185        | Concentration                           | Concentration                           | The quantity of a specified substance in a unit volume or weight of another substance.   | Concentration   |
| C85821        | Correlation Between TimeX and Log ConcY | Correlation Between TimeX and Log ConcY | The correlation between time (X) and log concentration (Y) for the points used in the estimation of lambda z.  | Time and Log Concentration Correlation  |
| C95007        | Effective Half-Life                     | Effective Half-Life                     | The drug half-life that quantifies the accumulation ratio of a drug following multiple dosing.   | Effective Half-life   |
| C105449       | Excret Rate from T1 to T2               | Excret Rate from T1 to T2               | The excretion rate over the interval from T1 to T2, determined for the specimen type specified in PPSPEC.  | Excretion Rate From T1 to T2  |

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| NCI Code       | CDISC Submission Value                 | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term   |
| C105450        | Excret Rate from T1 to T2 Norm by BMI  | Excret Rate from T1 to T2 Norm by BMI  | The excretion rate over the interval from T1 to T2 divided by the body mass index, determined for the specimen type specified in PPSPEC. | Excretion Rate From T1 to T2 Normalized by BMI               |
| C105451        | Excret Rate from T1 to T2 Norm by Dose | Excret Rate from T1 to T2 Norm by Dose | The excretion rate over the interval from T1 to T2 divided by the dose, determined for the specimen type specified in PPSPEC.            | Excretion Rate From T1 to T2 Normalized by Dose              |
| C105452        | Excret Rate from T1 to T2 Norm by SA   | Excret Rate from T1 to T2 Norm by SA   | The excretion rate over the interval from T1 to T2 divided by the surface area, determined for the specimen type specified in PPSPEC.    | Excretion Rate From T1 to T2 Normalized by SA                |
| C105453        | Excret Rate from T1 to T2 Norm by WT   | Excret Rate from T1 to T2 Norm by WT   | The excretion rate over the interval from T1 to T2 divided by the weight, determined for the specimen type specified in PPSPEC.          | Excretion Rate From T1 to T2 Normalized by WT                |
| C85581         | Fluctuation%                           | Fluctuation%                           | The difference between Cmin and Cmax standardized to Cavg, between dose time and Tau.  | Concentration Variability Between Dose Time and Tau          |
| C85818         | Half-Life Lambda z                     | Half-Life Lambda z                     | Terminal half-life.  | Terminal Half Life   |
| C112287        | Hemodialysis Clearance                 | Hemodialysis Clearance                 | The clearance of a substance from the blood during a hemodialysis session.   | Hemodialysis Clearance                                       |
| C116213        | Hemodialysis Extraction Ratio          | Hemodialysis Extraction Ratio          | The fractional content of a substance removed from the blood during a hemodialysis session.  | Hemodialysis Extraction Ratio                                |
| C85644         | Initial Conc                           | Initial Conc                           | Initial concentration. Given only for bolus IV models.   | Initial Concentration  |
| C92383         | Initial Conc Norm by BMI               | Initial Conc Norm by BMI               | Initial concentration divided by the body mass index. Given only for bolus IV models.  | Initial Concentration Normalized by Body Mass Index          |
| C92384         | Initial Conc Norm by Dose              | Initial Conc Norm by Dose              | Initial concentration divided by the dose. Given only for bolus IV models.   | Initial Concentration Normalized by Dose                     |
| C92385         | Initial Conc Norm by SA                | Initial Conc Norm by SA                | Initial concentration divided by the surface area. Given only for bolus IV models.   | Initial Concentration Normalized by Surface Area             |
| C92386         | Initial Conc Norm by WT                | Initial Conc Norm by WT                | Initial concentration divided by the weight. Given only for bolus IV models.   | Initial Concentration Normalized by Weight                   |
| C85652         | Lambda z                               | Lambda z                               | The first order rate constant associated with the terminal (log-linear) portion of the curve.  | Lambda Z   |
| C85653         | Lambda z Lower Limit                   | Lambda z Lower Limit                   | The lower limit on time for values to be included in the calculation of Lambda z.  | Lambda Z Time Lower Limit                                    |
| C85654         | Lambda z Upper Limit                   | Lambda z Upper Limit                   | The upper limit on time for values to be included in the calculation of Lambda z.  | Lambda Z Time Upper Limit                                    |
| C85656         | Last Meas Excretion Rate               | Last Meas Excretion Rate               | The last measurable (positive) excretion rate determined for the specimen type specified in PPSPEC.                                      | Last Measurable Observed Excretion Rate                      |
| C92391         | Last Meas Excretion Rate Norm by BMI   | Last Meas Excretion Rate Norm by BMI   | The last measurable (positive) excretion rate divided by the body mass index.  | Last Measurable Excretion Rate Normalized by Body Mass Index |
| C92392         | Last Meas Excretion Rate Norm by Dose  | Last Meas Excretion Rate Norm by Dose  | The last measurable (positive) excretion rate divided by the dose.   | Last Measurable Excretion Rate Normalized by Dose            |
| C92393         | Last Meas Excretion Rate Norm by SA    | Last Meas Excretion Rate Norm by SA    | The last measurable (positive) excretion rate divided by the surface area.   | Last Measurable Excretion Rate Normalized by Surface Area    |
| C92394         | Last Meas Excretion Rate Norm by WT    | Last Meas Excretion Rate Norm by WT    | The last measurable (positive) excretion rate divided by the weight.   | Last Measurable Excretion Rate Normalized by Weight          |
| C85655         | Last Nonzero Conc                      | Last Nonzero Conc                      | The concentration corresponding to Tlast.  | Last Concentration   |
| C92387         | Last Nonzero Conc Norm by BMI          | Last Nonzero Conc Norm by BMI          | The concentration corresponding to Tlast divided by the body mass index.   | Last Concentration Normalized by Body Mass Index             |
| C92388         | Last Nonzero Conc Norm by Dose         | Last Nonzero Conc Norm by Dose         | The concentration corresponding to Tlast divided by the dose.  | Last Concentration Normalized by Dose                        |
| C92389         | Last Nonzero Conc Norm by SA           | Last Nonzero Conc Norm by SA           | The concentration corresponding to Tlast divided by the surface area.  | Last Concentration Normalized by Surface Area                |

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| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term  |
| C92390        | Last Nonzero Conc Norm by WT            | Last Nonzero Conc Norm by WT            | The concentration corresponding to Tlast divided by the weight.  | Last Concentration Normalized by Weight                                 |
| C70918        | Max Conc                                | Max Conc                                | The maximum concentration occurring at Tmax.   | Cmax  |
| C92371        | Max Conc Norm by BMI                    | Max Conc Norm by BMI                    | The maximum concentration occurring at Tmax, divided by the body mass index.   | Maximum Concentration Normalized by Body Mass Index                     |
| C85698        | Max Conc Norm by Dose                   | Max Conc Norm by Dose                   | The maximum concentration occurring at Tmax, divided by the dose.  | Maximum Concentration Dose Normalized                                   |
| C92372        | Max Conc Norm by SA                     | Max Conc Norm by SA                     | The maximum concentration occurring at Tmax, divided by the surface area.  | Maximum Concentration Normalized by Surface Area                        |
| C92373        | Max Conc Norm by WT                     | Max Conc Norm by WT                     | The maximum concentration occurring at Tmax, divided by the weight.  | Maximum Concentration Normalized by Weight                              |
| C85699        | Max Excretion Rate                      | Max Excretion Rate                      | The maximum excretion rate determined for the specimen type specified in PPSPEC.   | Maximum Observed Excretion Rate   |
| C92395        | Max Excretion Rate Norm by BMI          | Max Excretion Rate Norm by BMI          | The maximum excretion rate divided by the body mass index.   | Maximum Observed Excretion Rate Normalized by Body Mass Index           |
| C92396        | Max Excretion Rate Norm by Dose         | Max Excretion Rate Norm by Dose         | The maximum excretion rate divided by the dose.  | Maximum Observed Excretion Rate Normalized by Dose                      |
| C92397        | Max Excretion Rate Norm by SA           | Max Excretion Rate Norm by SA           | The maximum excretion rate divided by the surface area.  | Maximum Observed Excretion Rate Normalized by Surface Area              |
| C92398        | Max Excretion Rate Norm by WT           | Max Excretion Rate Norm by WT           | The maximum excretion rate divided by the weight.  | Maximum Observed Excretion Rate Normalized by Weight                    |
| C120723       | Mean Absorption Time                    | Mean Absorption Time                    | Mean absorption time of a substance administered by extravascular dosing.  | Mean Absorption Time  |
| C85580        | Midpoint of Interval of Last Nonzero ER | Midpoint of Interval of Last Nonzero ER | The midpoint of collection interval associated with last measurable excretion rate.  | Collection Interval Midpoint  |
| C85823        | Midpoint of Interval of Maximum ER      | Midpoint of Interval of Maximum ER      | The midpoint of collection interval associated with the maximum excretion rate.  | Time of Maximum Observed Excretion Rate                                 |
| C85579        | Min Conc                                | Min Conc                                | The minimum concentration between dose time and dose time plus Tau (at Tmin).  | Cmin  |
| C92374        | Min Conc Norm by BMI                    | Min Conc Norm by BMI                    | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the body mass index.   | Minimum Concentration Normalized by Body Mass Index                     |
| C92375        | Min Conc Norm by Dose                   | Min Conc Norm by Dose                   | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the dose.  | Minimum Concentration Normalized by Dose                                |
| C92376        | Min Conc Norm by SA                     | Min Conc Norm by SA                     | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the surface area.  | Minimum Concentration Normalized by Surface Area                        |
| C92377        | Min Conc Norm by WT                     | Min Conc Norm by WT                     | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the weight.  | Minimum Concentration Normalized by Weight                              |
| C120724       | MRT Extravasc Infinity Obs              | MRT Extravasc Infinity Obs              | The mean residence time (MRT) extrapolated to infinity for a substance administered by extravascular dosing, calculated using the observed value of the last non-zero concentration. Extravascular MRT includes Mean Absorption Time (MAT).  | Mean Residence Time Infinity Observed by Extravascular Dose             |
| C120725       | MRT Extravasc Infinity Pred             | MRT Extravasc Infinity Pred             | The mean residence time (MRT) extrapolated to infinity for a substance administered by extravascular dosing, calculated using the predicted value of the last non-zero concentration. Extravascular MRT includes Mean Absorption Time (MAT). | Mean Residence Time Infinity Predicted by Extravascular Dose            |
| C120726       | MRT Extravasc to Last Nonzero Conc      | MRT Extravasc to Last Nonzero Conc      | Mean residence time (MRT) from the time of dosing to the time of the last measurable concentration for a substance administered by extravascular dosing. Extravascular MRT includes Mean Absorption Time (MAT).                              | Mean Residence Time to Last Nonzero Concentration by Extravascular Dose |

| C85493 PKPARM |                                    |                                    |   |   |
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| NCI Code      | CDISC Submission Value             | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term  |
| C121134       | MRT Intravasc Infinity Obs         | MRT Intravasc Infinity Obs         | The mean residence time (MRT) extrapolated to infinity for a substance administered by intravascular dosing, calculated using the observed value of the last non-zero concentration.  | Mean Residence Time Infinity Observed by Intravascular Dose             |
| C121136       | MRT Intravasc Infinity Pred        | MRT Intravasc Infinity Pred        | The mean residence time (MRT) extrapolated to infinity for a substance administered by intravascular dosing, calculated using the predicted value of the last non-zero concentration.   | Mean Residence Time Infinity Predicted by Intravascular Dose            |
| C121137       | MRT Intravasc to Last Nonzero Conc | MRT Intravasc to Last Nonzero Conc | Mean residence time (MRT) from the time of dosing to the time of the last measurable concentration, for a substance administered by intravascular dosing.   | Mean Residence Time to Last Nonzero Concentration by Intravascular Dose |
| C102376       | Nonrenal CL                        | Nonrenal CL                        | The total clearance of a substance from the blood less the renal clearance.   | Nonrenal Clearance  |
| C105454       | Nonrenal CL Norm by BMI            | Nonrenal CL Norm by BMI            | The total clearance of a substance from the blood minus the renal clearance divided by the body mass index.   | Nonrenal Clearance Normalized by BMI                                    |
| C105455       | Nonrenal CL Norm by Dose           | Nonrenal CL Norm by Dose           | The total clearance of a substance from the blood minus the renal clearance divided by the dose.  | Nonrenal Clearance Normalized by Dose                                   |
| C105456       | Nonrenal CL Norm by SA             | Nonrenal CL Norm by SA             | The total clearance of a substance from the blood minus the renal clearance divided by the surface area.  | Nonrenal Clearance Normalized by SA                                     |
| C105457       | Nonrenal CL Norm by WT             | Nonrenal CL Norm by WT             | The total clearance of a substance from the blood minus the renal clearance divided by the weight.  | Nonrenal Clearance Normalized by WT                                     |
| C85816        | Number of Points for Lambda z      | Number of Points for Lambda z      | The number of time points used in computing Lambda z.   | Sum of Lambda Z Timepoints  |
| C102382       | Pct Rec from T1 to T2              | Pct Rec from T1 to T2              | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2.  | Percent Recovered from T1 to T2   |
| C102383       | Pct Rec from T1 to T2 Norm by BMI  | Pct Rec from T1 to T2 Norm by BMI  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by body mass index.   | Percent Recovered from T1 to T2 Normalized by Body Mass Index           |
| C102384       | Pct Rec from T1 to T2 Norm by SA   | Pct Rec from T1 to T2 Norm by SA   | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by surface area.  | Percent Recovered from T1 to T2 Normalized by Surface Area              |
| C102385       | Pct Rec from T1 to T2 Norm by WT   | Pct Rec from T1 to T2 Norm by WT   | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by weight.  | Percent Recovered from T1 to T2 Normalized by Weight                    |
| C112034       | Pct Rec Infinity Obs               | Pct Rec Infinity Obs               | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration.                                  | Percent Recovered Infinity Observed                                     |
| C112389       | Pct Rec Infinity Obs Norm by BMI   | Pct Rec Infinity Obs Norm by BMI   | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Percent Recovered Infinity Observed Normalized by Body Mass Index       |
| C112390       | Pct Rec Infinity Obs Norm by SA    | Pct Rec Infinity Obs Norm by SA    | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Percent Recovered Infinity Observed Normalized by Surface Area          |
| C112391       | Pct Rec Infinity Obs Norm by WT    | Pct Rec Infinity Obs Norm by WT    | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Percent Recovered Infinity Observed Normalized by Weight                |
| C112035       | Pct Rec Infinity Pred              | Pct Rec Infinity Pred              | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.                                 | Percent Recovered Infinity Predicted                                    |
| C112392       | Pct Rec Infinity Pred Norm by BMI  | Pct Rec Infinity Pred Norm by BMI  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Percent Recovered Infinity Predicted Normalized by Body Mass Index      |

| C85493 PKPARM |  |  |  |  |
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| NCI Code      | CDISC Submission Value                   | CDISC Synonym                            | CDISC Definition   | NCI Preferred Term   |
| C112393       | Pct Rec Infinity Pred Norm by SA         | Pct Rec Infinity Pred Norm by SA         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area. | Percent Recovered Infinity Predicted Normalized by Surface Area      |
| C112394       | Pct Rec Infinity Pred Norm by WT         | Pct Rec Infinity Pred Norm by WT         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.       | Percent Recovered Infinity Predicted Normalized by Weight            |
| C102386       | Pct Rec Over Dosing Interval             | Pct Rec Over Dosing Interval             | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU).   | Percent Recovered Over Dosing Interval                               |
| C102387       | Pct Rec Over Dosing Interval Norm by BMI | Pct Rec Over Dosing Interval Norm by BMI | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by the body mass index.  | Percent Recovered Over Dosing Interval Normalized by Body Mass Index |
| C102388       | Pct Rec Over Dosing Interval Norm by SA  | Pct Rec Over Dosing Interval Norm by SA  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by surface area.   | Percent Recovered Over Dosing Interval Normalized by Surface Area    |
| C102389       | Pct Rec Over Dosing Interval Norm by WT  | Pct Rec Over Dosing Interval Norm by WT  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by weight.   | Percent Recovered Over Dosing Interval Normalized by Weight          |
| C102381       | Peak Trough Ratio                        | Peak Trough Ratio                        | The maximum concentration during a dosing interval divided by the concentration at the end of the dosing interval.   | Peak Trough Ratio  |
| C85542        | R Squared                                | R Squared                                | The goodness of fit statistic for the terminal elimination phase.  | R Squared  |
| C85553        | R Squared Adjusted                       | R Squared Adjusted                       | The goodness of fit statistic for the terminal elimination phase, adjusted for the number of time points used in the estimation of Lambda z.   | Adjusted R Squared   |
| C75913        | Renal CL                                 | Renal CL                                 | The clearance of a substance from the blood by the kidneys.  | Renal Clearance  |
| C122050       | Renal CL for Dose Int                    | Renal CL for Dose Int                    | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU.   | Renal Clearance for Dose Interval                                    |
| C122334       | Renal CL for Dose Int Norm by BMI        | Renal CL for Dose Int Norm by BMI        | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the body mass index.   | Renal Clearance for Dose Interval Normalized by Body Mass Index      |
| C122335       | Renal CL for Dose Int Norm by Dose       | Renal CL for Dose Int Norm by Dose       | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the dose.  | Renal Clearance for Dose Interval Normalized by Dose                 |
| C122336       | Renal CL for Dose Int Norm by SA         | Renal CL for Dose Int Norm by SA         | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the surface area.  | Renal Clearance for Dose Interval Normalized by Surface Area         |
| C122337       | Renal CL for Dose Int Norm by WT         | Renal CL for Dose Int Norm by WT         | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the weight.  | Renal Clearance for Dose Interval Normalized by Weight               |
| C122049       | Renal CL from T1 to T2                   | Renal CL from T1 to T2                   | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2.  | Renal Clearance from T1 to T2  |
| C122330       | Renal CL from T1 to T2 Norm by BMI       | Renal CL from T1 to T2 Norm by BMI       | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the body mass index.   | Renal Clearance from T1 to T2 Normalized by Body Mass Index          |
| C122331       | Renal CL from T1 to T2 Norm by Dose      | Renal CL from T1 to T2 Norm by Dose      | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the dose.  | Renal Clearance from T1 to T2 Normalized by Dose                     |
| C122332       | Renal CL from T1 to T2 Norm by SA        | Renal CL from T1 to T2 Norm by SA        | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the surface area.  | Renal Clearance from T1 to T2 Normalized by Surface Area             |
| C122333       | Renal CL from T1 to T2 Norm by WT        | Renal CL from T1 to T2 Norm by WT        | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the weight.  | Renal Clearance from T1 to T2 Normalized by Weight                   |
| C105458       | Renal CL Norm by BMI                     | Renal CL Norm by BMI                     | The clearance of a substance from the blood by the kidneys divided by the body mass index.   | Renal Clearance Normalized by BMI                                    |



| C85493 PKPARM |   |   |   |  |
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| NCI Code      | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C105459       | Renal CL Norm by Dose                   | Renal CL Norm by Dose                   | The clearance of a substance from the blood by the kidneys divided by the dose.   | Renal Clearance Normalized by Dose   |
| C105460       | Renal CL Norm by SA                     | Renal CL Norm by SA                     | The clearance of a substance from the blood by the kidneys divided by the surface area.   | Renal Clearance Normalized by SA   |
| C105461       | Renal CL Norm by WT                     | Renal CL Norm by WT                     | The clearance of a substance from the blood by the kidneys divided by the weight.   | Renal Clearance Normalized by WT   |
| C122338       | Stationarity Ratio AUC                  | Stationarity Ratio AUC                  | The area under the curve (AUCTAU) at steady state divided by the area under the curve extrapolated to infinity for the initial dosing interval.   | Stationarity Ratio Area Under the Curve  |
| C85817        | Sum of Urine Vol                        | Sum of Urine Vol                        | The sum of urine volumes that are used for PK parameters.   | Sum Urine Volume   |
| C70919        | Time of CMAX                            | Time of CMAX                            | The time of maximum observed concentration sampled during a dosing interval.  | Tmax   |
| C85825        | Time of CMIN Observation                | Time of CMIN Observation                | The time of minimum concentration sampled during a dosing interval.   | Tmin   |
| C85822        | Time of Last Nonzero Conc               | Time of Last Nonzero Conc               | The time of the last measurable (positive) concentration.   | Time of Last Nonzero Concentration   |
| C85824        | Time Until First Nonzero Conc           | Time Until First Nonzero Conc           | The time prior to the first measurable (non-zero) concentration.  | Time until First Nonzero Concentration   |
| C114121       | Total CL by F for Dose Int              | Total CL by F for Dose Int              | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU.  | Total Body Clearance by Fraction of Dose for Dose Interval                               |
| C114227       | Total CL by F for Dose Int Norm by BMI  | Total CL by F for Dose Int Norm by BMI  | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the body mass index.  | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Body Mass Index |
| C114226       | Total CL by F for Dose Int Norm by Dose | Total CL by F for Dose Int Norm by Dose | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the dose.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Dose            |
| C114228       | Total CL by F for Dose Int Norm by SA   | Total CL by F for Dose Int Norm by SA   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the surface area.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Surface Area    |
| C114229       | Total CL by F for Dose Int Norm by WT   | Total CL by F for Dose Int Norm by WT   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the weight.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Weight          |
| C114122       | Total CL for Dose Int                   | Total CL for Dose Int                   | The total body clearance for intravascular administration, calculated using AUCTAU.   | Total Body Clearance for Dose Interval   |
| C114231       | Total CL for Dose Int Norm by BMI       | Total CL for Dose Int Norm by BMI       | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the body mass index.   | Total Body Clearance for Dose Interval Normalized by Body Mass Index                     |
| C114230       | Total CL for Dose Int Norm by Dose      | Total CL for Dose Int Norm by Dose      | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the dose.  | Total Body Clearance for Dose Interval Normalized by Dose                                |
| C114232       | Total CL for Dose Int Norm by SA        | Total CL for Dose Int Norm by SA        | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the surface area.  | Total Body Clearance for Dose Interval Normalized by Surface Area                        |
| C114233       | Total CL for Dose Int Norm by WT        | Total CL for Dose Int Norm by WT        | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the weight.  | Total Body Clearance for Dose Interval Normalized by Weight                              |
| C85773        | Total CL Obs                            | Total CL Obs                            | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration.  | Observed Total Body Clearance Rate   |
| C85772        | Total CL Obs by F                       | Total CL Obs by F                       | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration.                                 | Observed Total Body Clearance by Fraction of Dose Absorbed                               |
| C92399        | Total CL Obs by F Norm by BMI           | Total CL Obs by F Norm by BMI           | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the body mass index. | Total Clearance Observed by Fraction Dose Normalized by Body Mass Index                  |

| C85493 PKPARAM |                                 |                                 |   |  |
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| NCI Code       | CDISC Submission Value          | CDISC Synonym                   | CDISC Definition  | NCI Preferred Term   |
| C92400         | Total CL Obs by F Norm by Dose  | Total CL Obs by F Norm by Dose  | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the dose.          | Total Clearance Observed by Fraction Dose Normalized by Dose             |
| C92401         | Total CL Obs by F Norm by SA    | Total CL Obs by F Norm by SA    | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the surface area.  | Total Clearance Observed by Fraction Dose Normalized by Surface Area     |
| C92402         | Total CL Obs by F Norm by WT    | Total CL Obs by F Norm by WT    | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the weight.        | Total Clearance Observed by Fraction Dose Normalized by Weight           |
| C92403         | Total CL Obs Norm by BMI        | Total CL Obs Norm by BMI        | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Total Clearance Observed Normalized by Body Mass Index                   |
| C92404         | Total CL Obs Norm by Dose       | Total CL Obs Norm by Dose       | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the dose.   | Total Clearance Observed Normalized by Dose                              |
| C92405         | Total CL Obs Norm by SA         | Total CL Obs Norm by SA         | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the surface area.   | Total Clearance Observed Normalized by Surface Area                      |
| C92406         | Total CL Obs Norm by WT         | Total CL Obs Norm by WT         | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the weight.   | Total Clearance Observed Normalized by Weight                            |
| C85797         | Total CL Pred                   | Total CL Pred                   | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration.   | Predicted Total Body Clearance Rate                                      |
| C85796         | Total CL Pred by F              | Total CL Pred by F              | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration.                              | Predicted Total Body Clearance by Fraction of Dose Absorbed              |
| C92417         | Total CL Pred by F Norm by BMI  | Total CL Pred by F Norm by BMI  | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by body mass index.  | Total Clearance Predicted by Fraction Dose Normalized by Body Mass Index |
| C92418         | Total CL Pred by F Norm by Dose | Total CL Pred by F Norm by Dose | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the dose.         | Total Clearance Predicted by Fraction Dose Normalized by Dose            |
| C92419         | Total CL Pred by F Norm by SA   | Total CL Pred by F Norm by SA   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the surface area. | Total Clearance Predicted by Fraction Dose Normalized by Surface Area    |
| C92420         | Total CL Pred by F Norm by WT   | Total CL Pred by F Norm by WT   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the weight.       | Total Clearance Predicted by Fraction Dose Normalized by Weight          |
| C92421         | Total CL Pred Norm by BMI       | Total CL Pred Norm by BMI       | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.                                       | Total Clearance Predicted Normalized by Body Mass Index                  |
| C92422         | Total CL Pred Norm by Dose      | Total CL Pred Norm by Dose      | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the dose.  | Total Clearance Predicted Normalized by Dose                             |
| C92423         | Total CL Pred Norm by SA        | Total CL Pred Norm by SA        | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the surface area.  | Total Clearance Predicted Normalized by Surface Area                     |
| C92424         | Total CL Pred Norm by WT        | Total CL Pred Norm by WT        | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the weight.  | Total Clearance Predicted Normalized by Weight                           |
| C122339        | Trough Peak Ratio               | Trough Peak Ratio               | The concentration at the start of a dosing interval divided by the maximum concentration during the dosing interval.  | Trough Peak Ratio  |
| C102371        | Vol Dist Initial                | Vol Dist Initial                | The initial volume of distribution for a substance administered by bolus intravascular dosing.  | Initial Volume of Distribution   |

| C85493 PKPARAM |   |   |   |  |
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| NCI Code       | CDISC Submission Value                  | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C102372        | Vol Dist Initial Norm by BMI            | Vol Dist Initial Norm by BMI            | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the body mass index.   | Initial Volume of Distribution Normalized by Body Mass Index                         |
| C102373        | Vol Dist Initial Norm by Dose           | Vol Dist Initial Norm by Dose           | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the dose.  | Initial Volume of Distribution Normalized by Dose                                    |
| C102374        | Vol Dist Initial Norm by SA             | Vol Dist Initial Norm by SA             | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the surface area.  | Initial Volume of Distribution Normalized by Surface Area                            |
| C102375        | Vol Dist Initial Norm by WT             | Vol Dist Initial Norm by WT             | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the weight.  | Initial Volume of Distribution Normalized by Weight                                  |
| C85770         | Vol Dist Steady State Obs               | Vol Dist Steady State Obs               | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing.   | Observed Steady State Volume of Distribution   |
| C102377        | Vol Dist Steady State Obs Norm by BMI   | Vol Dist Steady State Obs Norm by BMI   | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the body mass index.  | Observed Steady State Volume of Distribution Normalized by Body Mass Index           |
| C102378        | Vol Dist Steady State Obs Norm by Dose  | Vol Dist Steady State Obs Norm by Dose  | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the dose.   | Observed Steady State Volume of Distribution Normalized by Dose                      |
| C102379        | Vol Dist Steady State Obs Norm by SA    | Vol Dist Steady State Obs Norm by SA    | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the surface area.   | Observed Steady State Volume of Distribution Normalized by Surface Area              |
| C102380        | Vol Dist Steady State Obs Norm by WT    | Vol Dist Steady State Obs Norm by WT    | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the weight.   | Observed Steady State Volume of Distribution Normalized by Weight                    |
| C85794         | Vol Dist Steady State Pred              | Vol Dist Steady State Pred              | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing.  | Predicted Steady State Volume of Distribution  |
| C102390        | Vol Dist Steady State Pred Norm by BMI  | Vol Dist Steady State Pred Norm by BMI  | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the body mass index.   | Predicted Steady State Volume of Distribution Normalized by Body Mass Index          |
| C102391        | Vol Dist Steady State Pred Norm by Dose | Vol Dist Steady State Pred Norm by Dose | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the dose.  | Predicted Steady State Volume of Distribution Normalized by Dose                     |
| C102392        | Vol Dist Steady State Pred Norm by SA   | Vol Dist Steady State Pred Norm by SA   | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the surface area.  | Predicted Steady State Volume of Distribution Normalized by Surface Area             |
| C102393        | Vol Dist Steady State Pred Norm by WT   | Vol Dist Steady State Pred Norm by WT   | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the weight.  | Predicted Steady State Volume of Distribution Normalized by Weight                   |
| C111333        | Vz for Dose Int                         | Vz for Dose Int                         | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU.  | Volume of Distribution for Dosing Interval   |
| C111364        | Vz for Dose Int by F                    | Vz for Dose Int by F                    | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU.                                 | Volume of Distribution for Dosing Interval by Fraction                               |
| C111365        | Vz for Dose Int by F Norm by BMI        | Vz for Dose Int by F Norm by BMI        | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the body mass index. | Volume of Distribution for Dosing Interval by Fraction Normalized by Body Mass Index |
| C111366        | Vz for Dose Int by F Norm by Dose       | Vz for Dose Int by F Norm by Dose       | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the dose.            | Volume of Distribution for Dosing Interval by Fraction Normalized by Dose            |
| C111367        | Vz for Dose Int by F Norm by SA         | Vz for Dose Int by F Norm by SA         | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the surface area.    | Volume of Distribution for Dosing Interval by Fraction Normalized by Surface Area    |

| C85493 PKPARAM |                                 |                                 |  |  |
|----------------|---------------------------------|---------------------------------|--|--|
| NCI Code       | CDISC Submission Value          | CDISC Synonym                   | CDISC Definition   | NCI Preferred Term   |
| C111368        | Vz for Dose Int by F Norm by WT | Vz for Dose Int by F Norm by WT | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the weight.   | Volume of Distribution for Dosing Interval by Fraction Normalized by Weight    |
| C111369        | Vz for Dose Int Norm by BMI     | Vz for Dose Int Norm by BMI     | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the body mass index.   | Volume of Distribution for Dosing Interval Normalized by Body Mass Index       |
| C111370        | Vz for Dose Int Norm by Dose    | Vz for Dose Int Norm by Dose    | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the dose.  | Volume of Distribution for Dosing Interval Normalized by Dose                  |
| C111371        | Vz for Dose Int Norm by SA      | Vz for Dose Int Norm by SA      | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the surface area.  | Volume of Distribution for Dosing Interval Normalized by Surface Area          |
| C111372        | Vz for Dose Int Norm by WT      | Vz for Dose Int Norm by WT      | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the weight.  | Volume of Distribution for Dosing Interval Normalized by Weight                |
| C85774         | Vz Obs                          | Vz Obs                          | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration.  | Observed Volume of Distribution  |
| C85775         | Vz Obs by F                     | Vz Obs by F                     | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration.                                 | Observed Volume of Distribution of Absorbed Fraction                           |
| C92410         | Vz Obs by F Norm by BMI         | Vz Obs by F Norm by BMI         | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the body mass index. | Volume of Distribution of Fraction Dose Observed Normalized by Body Mass Index |
| C102729        | Vz Obs by F Norm by Dose        | Vz Obs by F Norm by Dose        | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the dose.            | Volume of Distribution of Fraction Dose Observed Normalized by Dose            |
| C92411         | Vz Obs by F Norm by SA          | Vz Obs by F Norm by SA          | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the surface area.    | Volume of Distribution of Fraction Dose Observed Normalized by Surface Area    |
| C92412         | Vz Obs by F Norm by WT          | Vz Obs by F Norm by WT          | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the weight.          | Volume of Distribution of Fraction Dose Observed Normalized by Weight          |
| C92407         | Vz Obs Norm by BMI              | Vz Obs Norm by BMI              | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Volume of Distribution Observed Normalized by Body Mass Index                  |
| C102683        | Vz Obs Norm by Dose             | Vz Obs Norm by Dose             | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the dose.   | Observed Volume of Distribution Normalized by Dose                             |
| C92408         | Vz Obs Norm by SA               | Vz Obs Norm by SA               | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the surface area.   | Volume of Distribution Observed Normalized by Surface Area                     |
| C92409         | Vz Obs Norm by WT               | Vz Obs Norm by WT               | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the weight.   | Volume of Distribution Observed Normalized by Weight                           |
| C85798         | Vz Pred                         | Vz Pred                         | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration.   | Predicted Volume of Distribution   |

| C85493 PKPARAM |                           |                           |   |   |
|----------------|---------------------------|---------------------------|---|---|
| NCI Code       | CDISC Submission Value    | CDISC Synonym             | CDISC Definition  | NCI Preferred Term  |
| C85799         | Vz Pred by F              | Vz Pred by F              | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration.                                 | Predicted Volume of Distribution of Absorbed Fraction                           |
| C92428         | Vz Pred by F Norm by BMI  | Vz Pred by F Norm by BMI  | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Volume of Distribution of Fraction Dose Predicted Normalized by Body Mass Index |
| C102730        | Vz Pred by F Norm by Dose | Vz Pred by F Norm by Dose | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the dose.            | Volume of Distribution of Fraction Dose Predicted Normalized by Dose            |
| C92429         | Vz Pred by F Norm by SA   | Vz Pred by F Norm by SA   | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Volume of Distribution of Fraction Dose Predicted Normalized by Surface Area    |
| C92430         | Vz Pred by F Norm by WT   | Vz Pred by F Norm by WT   | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Volume of Distribution of Fraction Dose Predicted Normalized by Weight          |
| C92425         | Vz Pred Norm by BMI       | Vz Pred Norm by BMI       | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.  | Volume of Distribution Predicted Normalized by Body Mass Index                  |
| C102696        | Vz Pred Norm by Dose      | Vz Pred Norm by Dose      | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the dose.   | Predicted Volume of Distribution Normalized by Dose                             |
| C92426         | Vz Pred Norm by SA        | Vz Pred Norm by SA        | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the surface area.   | Volume of Distribution Predicted Normalized by Surface Area                     |
| C92427         | Vz Pred Norm by WT        | Vz Pred Norm by WT        | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the weight.   | Volume of Distribution Predicted Normalized by Weight                           |

## PKPARMCD (PK Parameters Code)

NCI Code: C85839, Codelist extensible: Yes

| C85839 PKPARMCD |                        |                                      |   |   |
|-----------------|------------------------|--------------------------------------|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                        | CDISC Definition  | NCI Preferred Term                                    |
| C114234         | AILAMZ                 | Accumulation Index using Lambda z    | Predicted accumulation ratio for area under the curve (AUC) calculated using the Lambda z estimated from single dose data.  | Accumulation Index using Lambda z                     |
| C102356         | ARAUC                  | Accumulation Ratio AUCTAU            | The area under the curve (AUCTAU) at steady state divided by the area under the curve (AUCTAU) over the initial dosing interval.  | Accumulation Ratio Area Under the Curve               |
| C122329         | ARAUCINT               | Accumulation Ratio AUC from T1 to T2 | The area under the curve from T1 to T2 at steady state divided by the area under the curve from T1 to T2 during the initial dosing interval.  | Accumulation Ratio Area Under the Curve from T1 to T2 |
| C102357         | ARCMAX                 | Accumulation Ratio Cmax              | The maximum concentration at steady state divided by the maximum concentration during the initial dosing interval.  | Accumulation Ratio Cmax                               |
| C102358         | ARCMIN                 | Accumulation Ratio Cmin              | The minimum concentration at steady state divided by the minimum concentration during the initial dosing interval.  | Accumulation Ratio Cmin                               |
| C102426         | ARCTROUG               | Accumulation Ratio Ctrough           | The trough concentration at steady state divided by the trough concentration during the initial dosing interval.  | Accumulation Ratio Ctrough                            |
| C85564          | AUCALL                 | AUC All                              | The area under the curve (AUC) from the time of dosing to the time of the last observation, regardless of whether the last concentration is measurable or not.                                | Area Under the Curve All                              |
| C92362          | AUCALLB                | AUC All Norm by BMI                  | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the body mass index, regardless of whether the last concentration is measurable or not. | AUC All Normalized by Body Mass Index                 |
| C92306          | AUCALLD                | AUC All Norm by Dose                 | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the dose, regardless of whether the last concentration is measurable or not.            | AUC All Normalized by Dose                            |
| C92307          | AUCALLS                | AUC All Norm by SA                   | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the surface area, regardless of whether the last concentration is measurable or not.    | AUC All Normalized by Surface Area                    |
| C92308          | AUCALLW                | AUC All Norm by WT                   | The area under the curve (AUC) from the time of dosing to the time of the last observation divided by the weight, regardless of whether the last concentration is measurable or not.          | AUC All Normalized by Weight                          |
| C85761          | AUCIFO                 | AUC Infinity Obs                     | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration.  | Observed Area Under the Curve Infinity                |
| C92316          | AUCIFOB                | AUC Infinity Obs Norm by BMI         | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.                              | AUC Infinity Observed Normalized by Body Mass Index   |
| C96695          | AUCIFOD                | AUC Infinity Obs Norm by Dose        | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the dose.   | AUC Infinity Observed Normalized by Dose              |
| C92317          | AUCIFOS                | AUC Infinity Obs Norm by SA          | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.                                 | AUC Infinity Observed Normalized by Surface Area      |
| C92318          | AUCIFOW                | AUC Infinity Obs Norm by WT          | The area under the curve (AUC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.                                       | AUC Infinity Observed Normalized by Weight            |
| C85785          | AUCIFP                 | AUC Infinity Pred                    | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.   | Predicted Area Under the Curve Infinity               |
| C92319          | AUCIFPB                | AUC Infinity Pred Norm by BMI        | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.                             | AUC Infinity Predicted Normalized by Body Mass Index  |
| C85786          | AUCIFPD                | AUC Infinity Pred Norm by Dose       | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the dose.  | Predicted Area Under the Curve Infinity by Dose       |

| C85839 PKPARMCD |                        |                                       |  |  |
|-----------------|------------------------|---------------------------------------|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term   |
| C92320          | AUCIFPS                | AUC Infinity Pred Norm by SA          | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.   | AUC Infinity Predicted Normalized by Surface Area              |
| C92321          | AUCIFPW                | AUC Infinity Pred Norm by WT          | The area under the curve (AUC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.   | AUC Infinity Predicted Normalized by Weight                    |
| C85566          | AUCINT                 | AUC from T1 to T2                     | The area under the curve (AUC) over the interval from T1 to T2.  | Area Under the Curve from T1 to T2                             |
| C92312          | AUCINTB                | AUC from T1 to T2 Norm by BMI         | The area under the curve (AUC) over the interval from T1 to T2 divided by the body mass index.   | AUC from T1 to T2 Normalized by Body Mass Index                |
| C92313          | AUCINTD                | AUC from T1 to T2 Norm by Dose        | The area under the curve (AUC) over the interval from T1 to T2 divided by the dose.  | AUC from T1 to T2 Normalized by Dose                           |
| C92314          | AUCINTS                | AUC from T1 to T2 Norm by SA          | The area under the curve (AUC) over the interval from T1 to T2 divided by the surface area.  | AUC from T1 to T2 Normalized by Surface Area                   |
| C92315          | AUCINTW                | AUC from T1 to T2 Norm by WT          | The area under the curve (AUC) over the interval from T1 to T2 divided by the weight.  | AUC from T1 to T2 Normalized by Weight                         |
| C85565          | AUCLST                 | AUC to Last Nonzero Conc              | The area under the curve (AUC) from the time of dosing to the last measurable concentration.   | Area Under the Curve From Dosing to Last Concentration         |
| C92309          | AUCLSTB                | AUC to Last Nonzero Conc Norm by BMI  | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the body mass index.  | AUC Dosing to Last Concentration Normalized by Body Mass Index |
| C92310          | AUCLSTD                | AUC to Last Nonzero Conc Norm by Dose | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the dose.   | AUC Dosing to Last Concentration Normalized by Dose            |
| C92311          | AUCLSTS                | AUC to Last Nonzero Conc Norm by SA   | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the surface area.   | AUC Dosing to Last Concentration Normalized by Surface Area    |
| C92305          | AUCLSTW                | AUC to Last Nonzero Conc Norm by WT   | The area under the curve (AUC) from the time of dosing to the last measurable concentration divided by the weight.   | AUC Dosing to Last Concentration Normalized by Weight          |
| C85763          | AUCPBEO                | AUC %Back Extrapolation Obs           | Applies only for intravascular bolus dosing. The area under the curve (AUC) from the first measured concentration value back extrapolated to the concentration value at time zero as a percentage of the area under the curve extrapolated to infinity using the observed value of the last non-zero concentration.  | Observed Area Under the Curve Percent Back Extrapolation       |
| C85787          | AUCPBEP                | AUC %Back Extrapolation Pred          | Applies only for intravascular bolus dosing. The area under the curve (AUC) from the first measured concentration value back extrapolated to the concentration value at time zero as a percentage of the area under the curve extrapolated to infinity using the predicted value of the last non-zero concentration. | Predicted Area Under the Curve Percent Back Extrapolation      |
| C85764          | AUCPEO                 | AUC %Extrapolation Obs                | The area under the curve (AUC) from the last observed non-zero concentration value to infinity as a percentage of the area under the curve extrapolated to infinity.   | Observed Area Under the Curve Percent Extrapolation            |
| C85788          | AUCPEP                 | AUC %Extrapolation Pred               | The area under the curve (AUC) from the last predicted non-zero concentration value to infinity as a percentage of the area under the curve extrapolated to infinity.  | Predicted Area Under the Curve Percent Extrapolation           |
| C85567          | AUCTAU                 | AUC Over Dosing Interval              | The area under the curve (AUC) for the defined interval between doses (TAU).   | Area Under the Curve Over Dosing Interval                      |
| C92322          | AUCTAUB                | AUC Over Dosing Interval Norm by BMI  | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the body mass index.  | AUC Over Dosing Interval Normalized by Body Mass Index         |
| C92323          | AUCTAUD                | AUC Over Dosing Interval Norm by Dose | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the dose.   | AUC Over Dosing Interval Normalized by Dose                    |
| C92324          | AUCTAUS                | AUC Over Dosing Interval Norm by SA   | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the surface area.   | AUC Over Dosing Interval Normalized by Surface Area            |
| C92325          | AUCTAUW                | AUC Over Dosing Interval Norm by WT   | The area under the curve (AUC) for the defined interval between doses (TAU) divided by the weight.   | AUC Over Dosing Interval Normalized by Weight                  |

| C85839 PKPARMCD |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term  |
| C85765          | AUMCIFO                | AUMC Infinity Obs                      | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration.   | Observed Area Under the First Moment Curve Infinity                 |
| C92330          | AUMCIFOB               | AUMC Infinity Obs Norm by BMI          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.             | AUMC Infinity Observed Normalized by Body Mass Index                |
| C92331          | AUMCIFOD               | AUMC Infinity Obs Norm by Dose         | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the dose.                        | AUMC Infinity Observed Normalized by Dose                           |
| C92332          | AUMCIFOS               | AUMC Infinity Obs Norm by SA           | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.                | AUMC Infinity Observed Normalized by Surface Area                   |
| C92333          | AUMCIFOW               | AUMC Infinity Obs Norm by WT           | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.                      | AUMC Infinity Observed Normalized by Weight                         |
| C85789          | AUMCIFP                | AUMC Infinity Pred                     | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.  | Predicted Area Under the First Moment Curve Infinity                |
| C92334          | AUMCIFPB               | AUMC Infinity Pred Norm by BMI         | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index.            | AUMC Infinity Predicted Normalized by Body Mass Index               |
| C92335          | AUMCIFPD               | AUMC Infinity Pred Norm by Dose        | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the dose.                       | AUMC Infinity Predicted Normalized by Dose                          |
| C92336          | AUMCIFPS               | AUMC Infinity Pred Norm by SA          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.               | AUMC Infinity Predicted Normalized by Surface Area                  |
| C92337          | AUMCIFPW               | AUMC Infinity Pred Norm by WT          | The area under the moment curve (AUMC) extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.                     | AUMC Infinity Predicted Normalized by Weight                        |
| C85569          | AUMCLST                | AUMC to Last Nonzero Conc              | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration.   | Area Under the First Moment Curve From Dosing to Last Concentration |
| C92326          | AUMCLSTB               | AUMC to Last Nonzero Conc Norm by BMI  | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the body mass index.  | AUMC Dosing to Last Concentration Normalized by Body Mass Index     |
| C92327          | AUMCLSTD               | AUMC to Last Nonzero Conc Norm by Dose | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the dose.   | AUMC Dosing to Last Concentration Normalized by Dose                |
| C92328          | AUMCLSTS               | AUMC to Last Nonzero Conc Norm by SA   | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the surface area.   | AUMC Dosing to Last Concentration Normalized by Surface Area        |
| C92329          | AUMCLSTW               | AUMC to Last Nonzero Conc Norm by WT   | The area under the moment curve (AUMC) from the time of dosing to the last measurable concentration divided by the weight.   | AUMC Dosing to Last Concentration Normalized by Weight              |
| C85766          | AUMCPEO                | AUMC % Extrapolation Obs               | The area under the moment curve (AUMC) from the last observed non-zero concentration value to infinity as a percentage of the area under the moment curve extrapolated to infinity.  | Observed Area Under the First Moment Curve Percent Extrapolation    |
| C85790          | AUMCPEP                | AUMC % Extrapolation Pred              | The area under the moment curve (AUMC) from the last predicted non-zero concentration value to infinity as a percentage of the area under the moment curve extrapolated to infinity. | Predicted Area Under the First Moment Curve Percent Extrapolation   |
| C85570          | AUMCTAU                | AUMC Over Dosing Interval              | The area under the first moment curve (AUMC) for the defined interval between doses (TAU).   | Area Under the First Moment Curve Over Dosing Interval              |
| C92338          | AUMCTAUB               | AUMC Over Dosing Interval Norm by BMI  | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the body mass index.  | AUMC Over Dosing Interval Normalized by Body Mass Index             |
| C92339          | AUMCTAUD               | AUMC Over Dosing Interval Norm by Dose | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the dose.   | AUMC Over Dosing Interval Normalized by Dose                        |



| C85839 PKPARMCD |                        |                                      |   |  |
|-----------------|------------------------|--------------------------------------|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                        | CDISC Definition  | NCI Preferred Term   |
| C92340          | AUMCTAUS               | AUMC Over Dosing Interval Norm by SA | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the surface area.  | AUMC Over Dosing Interval Normalized by Surface Area           |
| C92341          | AUMCTAUW               | AUMC Over Dosing Interval Norm by WT | The area under the first moment curve (AUMC) for the defined interval between doses (TAU) divided by the weight.  | AUMC Over Dosing Interval Normalized by Weight                 |
| C85841          | AURCALL                | AURC All                             | The area under the urinary excretion rate curve (AURC) from time zero to the time of the last observation, regardless of whether the last observation is a measurable concentration or not. | Area Under Urinary Excretion Rate Curve All                    |
| C92342          | AURCALLB               | AURC All Norm by BMI                 | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the body mass index.   | AURC All Normalized by Body Mass Index                         |
| C92343          | AURCALLD               | AURC All Norm by Dose                | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the dose.  | AURC All Normalized by Dose                                    |
| C92344          | AURCALLS               | AURC All Norm by SA                  | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the surface area.  | AURC All Normalized by Surface Area                            |
| C92345          | AURCALLW               | AURC All Norm by WT                  | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate divided by the weight.  | AURC All Normalized by Weight                                  |
| C85767          | AURCIFO                | AURC Infinity Obs                    | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate.  | Observed Area Under the Urinary Excretion Rate Curve infinity  |
| C92354          | AURCIFOB               | AURC Infinity Obs Norm by BMI        | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the body mass index.            | AURC Infinity Observed Normalized by Body Mass Index           |
| C92355          | AURCIFOD               | AURC Infinity Obs Norm by Dose       | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the dose.                       | AURC Infinity Observed Normalized by Dose                      |
| C92356          | AURCIFOS               | AURC Infinity Obs Norm by SA         | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the surface area.               | AURC Infinity Observed Normalized by Surface Area              |
| C92357          | AURCIFOW               | AURC Infinity Obs Norm by WT         | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the observed value of the last excretion rate, divided by the weight.                     | AURC Infinity Observed Normalized by Weight                    |
| C85791          | AURCIFP                | AURC Infinity Pred                   | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate.                                  | Predicted Area Under the Urinary Excretion Rate Curve Infinity |
| C92358          | AURCIFPB               | AURC Infinity Pred Norm by BMI       | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the body mass index.  | AURC Infinity Predicted Normalized by Body Mass Index          |
| C92359          | AURCIFPD               | AURC Infinity Pred Norm by Dose      | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the dose.             | AURC Infinity Predicted Normalized by Dose                     |
| C92360          | AURCIFPS               | AURC Infinity Pred Norm by SA        | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the surface area.     | AURC Infinity Predicted Normalized by Surface Area             |
| C92361          | AURCIFPW               | AURC Infinity Pred Norm by WT        | The area under the urinary excretion rate curve (AURC) extrapolated to infinity, calculated using the predicted value of the last non-zero excretion rate, divided by the weight.           | AURC Infinity Predicted Normalized by Weight                   |
| C85572          | AURCINT                | AURC from T1 to T2                   | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2.   | Area Under the Urinary Excretion Rate Curve from T1 to T2      |
| C92350          | AURCINTB               | AURC from T1 to T2 Norm by BMI       | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the body mass index.  | AURC from T1 to T2 Normalized by Body Mass Index               |

| C85839 PKPARMCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term  |
| C92351          | AURCINTD               | AURC from T1 to T2 Norm by Dose        | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the dose.   | AURC from T1 to T2 Normalized by Dose   |
| C92352          | AURCINTS               | AURC from T1 to T2 Norm by SA          | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the surface area.   | AURC from T1 to T2 Normalized by Surface Area                                 |
| C92353          | AURCINTW               | AURC from T1 to T2 Norm by WT          | The area under the urinary excretion rate curve (AURC) over the interval from T1 to T2 divided by the weight.   | AURC from T1 to T2 Normalized by Weight                                       |
| C85571          | AURCLST                | AURC to Last Nonzero Rate              | The area under the urinary excretion rate curve (AURC) from time zero to the time of the last measurable concentration.   | Area Under the Urinary Excretion Rate Curve From Dosing to Last Concentration |
| C92346          | AURCLSTB               | AURC to Last Nonzero Rate Norm by BMI  | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the body mass index.  | AURC Dosing to Last Concentration Normalized by Body Mass Index               |
| C92347          | AURCLSTD               | AURC to Last Nonzero Rate Norm by Dose | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the dose.   | AURC Dosing to Last Concentration Normalized by Dose                          |
| C92348          | AURCLSTS               | AURC to Last Nonzero Rate Norm by SA   | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the surface area.   | AURC Dosing to Last Concentration Normalized by Surface Area                  |
| C92349          | AURCLSTW               | AURC to Last Nonzero Rate Norm by WT   | The area under the urinary excretion rate curve (AURC) from time zero to the last measurable rate, divided by the weight.   | AURC Dosing to Last Concentration Normalized by Weight                        |
| C85768          | AURCPEO                | AURC % Extrapolation Obs               | The area under the urinary excretion rate curve (AURC) from the last observed non-zero rate value to infinity as a percentage of the area under the urinary excretion rate curve extrapolated to infinity.  | Observed Area Under the Urinary Excretion Rate Curve Percent Extrapolation    |
| C85792          | AURCPEP                | AURC % Extrapolation Pred              | The area under the urinary excretion rate curve (AURC) from the last predicted non-zero rate value to infinity as a percentage of the area under the urinary excretion rate curve extrapolated to infinity. | Predicted Area Under the Urinary Excretion Rate Curve Percent Extrapolation   |
| C85644          | C0                     | Initial Conc                           | Initial concentration. Given only for bolus IV models.  | Initial Concentration   |
| C92383          | C0B                    | Initial Conc Norm by BMI               | Initial concentration divided by the body mass index. Given only for bolus IV models.   | Initial Concentration Normalized by Body Mass Index                           |
| C92384          | C0D                    | Initial Conc Norm by Dose              | Initial concentration divided by the dose. Given only for bolus IV models.  | Initial Concentration Normalized by Dose                                      |
| C92385          | C0S                    | Initial Conc Norm by SA                | Initial concentration divided by the surface area. Given only for bolus IV models.  | Initial Concentration Normalized by Surface Area                              |
| C92386          | C0W                    | Initial Conc Norm by WT                | Initial concentration divided by the weight. Given only for bolus IV models.  | Initial Concentration Normalized by Weight                                    |
| C85575          | CAVG                   | Average Concentration                  | AUCTAU divided by TAU.  | Average Concentration   |
| C92367          | CAVGB                  | Average Conc Norm by BMI               | AUCTAU divided by TAU and then divided by the body mass index.  | Average Concentration Normalized by Body Mass Index                           |
| C92368          | CAVGD                  | Average Conc Norm by Dose              | AUCTAU divided by TAU and then divided by the dose.   | Average Concentration Normalized by Dose                                      |
| C92369          | CAVGS                  | Average Conc Norm by SA                | AUCTAU divided by TAU and then divided by the surface area.   | Average Concentration Normalized by Surface Area                              |
| C92370          | CAVGW                  | Average Conc Norm by WT                | AUCTAU divided by TAU and then divided by the weight.   | Average Concentration Normalized by Weight                                    |
| C85772          | CLFO                   | Total CL Obs by F                      | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration.                                 | Observed Total Body Clearance by Fraction of Dose Absorbed                    |
| C92399          | CLFOB                  | Total CL Obs by F Norm by BMI          | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the body mass index. | Total Clearance Observed by Fraction Dose Normalized by Body Mass Index       |

| C85839 PKPARMCD |                        |   |   |  |
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| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition  | NCI Preferred Term   |
| C92400          | CLFOD                  | Total CL Obs by F Norm by Dose          | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the dose.          | Total Clearance Observed by Fraction Dose Normalized by Dose                             |
| C92401          | CLFOS                  | Total CL Obs by F Norm by SA            | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the surface area.  | Total Clearance Observed by Fraction Dose Normalized by Surface Area                     |
| C92402          | CLFOW                  | Total CL Obs by F Norm by WT            | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the weight.        | Total Clearance Observed by Fraction Dose Normalized by Weight                           |
| C85796          | CLFP                   | Total CL Pred by F                      | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration.                              | Predicted Total Body Clearance by Fraction of Dose Absorbed                              |
| C92417          | CLFPB                  | Total CL Pred by F Norm by BMI          | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by body mass index.  | Total Clearance Predicted by Fraction Dose Normalized by Body Mass Index                 |
| C92418          | CLFPD                  | Total CL Pred by F Norm by Dose         | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the dose.         | Total Clearance Predicted by Fraction Dose Normalized by Dose                            |
| C92419          | CLFPS                  | Total CL Pred by F Norm by SA           | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the surface area. | Total Clearance Predicted by Fraction Dose Normalized by Surface Area                    |
| C92420          | CLFPW                  | Total CL Pred by F Norm by WT           | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the weight.       | Total Clearance Predicted by Fraction Dose Normalized by Weight                          |
| C114121         | CLFTAU                 | Total CL by F for Dose Int              | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU.  | Total Body Clearance by Fraction of Dose for Dose Interval                               |
| C114227         | CLFTAUB                | Total CL by F for Dose Int Norm by BMI  | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the body mass index.  | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Body Mass Index |
| C114226         | CLFTAUD                | Total CL by F for Dose Int Norm by Dose | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the dose.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Dose            |
| C114228         | CLFTAUS                | Total CL by F for Dose Int Norm by SA   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the surface area.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Surface Area    |
| C114229         | CLFTAUW                | Total CL by F for Dose Int Norm by WT   | The total body clearance for extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the weight.   | Total Body Clearance by Fraction of Dose for Dose Interval Normalized by Weight          |
| C85773          | CLO                    | Total CL Obs                            | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration.  | Observed Total Body Clearance Rate   |
| C92403          | CLOB                   | Total CL Obs Norm by BMI                | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Total Clearance Observed Normalized by Body Mass Index                                   |
| C92404          | CLOD                   | Total CL Obs Norm by Dose               | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the dose.   | Total Clearance Observed Normalized by Dose  |
| C92405          | CLOS                   | Total CL Obs Norm by SA                 | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the surface area.   | Total Clearance Observed Normalized by Surface Area                                      |
| C92406          | CLOW                   | Total CL Obs Norm by WT                 | The total body clearance for intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the weight.   | Total Clearance Observed Normalized by Weight  |

| C85839 PKPARMCD |                        |                                    |   |  |
|-----------------|------------------------|------------------------------------|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term   |
| C85797          | CLP                    | Total CL Pred                      | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration.                                 | Predicted Total Body Clearance Rate                                  |
| C92421          | CLPB                   | Total CL Pred Norm by BMI          | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Total Clearance Predicted Normalized by Body Mass Index              |
| C92422          | CLPD                   | Total CL Pred Norm by Dose         | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the dose.            | Total Clearance Predicted Normalized by Dose                         |
| C92423          | CLPS                   | Total CL Pred Norm by SA           | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Total Clearance Predicted Normalized by Surface Area                 |
| C92424          | CLPW                   | Total CL Pred Norm by WT           | The total body clearance for intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Total Clearance Predicted Normalized by Weight                       |
| C85655          | CLST                   | Last Nonzero Conc                  | The concentration corresponding to Tlast.   | Last Concentration   |
| C92387          | CLSTB                  | Last Nonzero Conc Norm by BMI      | The concentration corresponding to Tlast divided by the body mass index.  | Last Concentration Normalized by Body Mass Index                     |
| C92388          | CLSTD                  | Last Nonzero Conc Norm by Dose     | The concentration corresponding to Tlast divided by the dose.   | Last Concentration Normalized by Dose                                |
| C92389          | CLSTS                  | Last Nonzero Conc Norm by SA       | The concentration corresponding to Tlast divided by the surface area.   | Last Concentration Normalized by Surface Area                        |
| C92390          | CLSTW                  | Last Nonzero Conc Norm by WT       | The concentration corresponding to Tlast divided by the weight.   | Last Concentration Normalized by Weight                              |
| C114122         | CLTAU                  | Total CL for Dose Int              | The total body clearance for intravascular administration, calculated using AUCTAU.   | Total Body Clearance for Dose Interval                               |
| C114231         | CLTAUB                 | Total CL for Dose Int Norm by BMI  | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the body mass index.   | Total Body Clearance for Dose Interval Normalized by Body Mass Index |
| C114230         | CLTAUD                 | Total CL for Dose Int Norm by Dose | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the dose.  | Total Body Clearance for Dose Interval Normalized by Dose            |
| C114232         | CLTAUS                 | Total CL for Dose Int Norm by SA   | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the surface area.  | Total Body Clearance for Dose Interval Normalized by Surface Area    |
| C114233         | CLTAUW                 | Total CL for Dose Int Norm by WT   | The total body clearance for intravascular administration, calculated using AUCTAU, divided by the weight.  | Total Body Clearance for Dose Interval Normalized by Weight          |
| C70918          | CMAX                   | Max Conc                           | The maximum concentration occurring at Tmax.  | Cmax   |
| C92371          | CMAXB                  | Max Conc Norm by BMI               | The maximum concentration occurring at Tmax, divided by the body mass index.  | Maximum Concentration Normalized by Body Mass Index                  |
| C85698          | CMAXD                  | Max Conc Norm by Dose              | The maximum concentration occurring at Tmax, divided by the dose.   | Maximum Concentration Dose Normalized                                |
| C92372          | CMAXS                  | Max Conc Norm by SA                | The maximum concentration occurring at Tmax, divided by the surface area.   | Maximum Concentration Normalized by Surface Area                     |
| C92373          | CMAXW                  | Max Conc Norm by WT                | The maximum concentration occurring at Tmax, divided by the weight.   | Maximum Concentration Normalized by Weight                           |
| C85579          | CMIN                   | Min Conc                           | The minimum concentration between dose time and dose time plus Tau (at Tmin).   | Cmin   |
| C92374          | CMINB                  | Min Conc Norm by BMI               | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the body mass index.  | Minimum Concentration Normalized by Body Mass Index                  |
| C92375          | CMIND                  | Min Conc Norm by Dose              | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the dose.   | Minimum Concentration Normalized by Dose                             |

| C85839 PKPARMCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term   |
| C92376          | CMINS                  | Min Conc Norm by SA                     | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the surface area.                                | Minimum Concentration Normalized by Surface Area             |
| C92377          | CMINW                  | Min Conc Norm by WT                     | The minimum concentration between dose time and dose time plus Tau (at Tmin) divided by the weight.                                      | Minimum Concentration Normalized by Weight                   |
| C41185          | CONC                   | Concentration                           | The quantity of a specified substance in a unit volume or weight of another substance.   | Concentration  |
| C102367         | CONCB                  | Conc by BMI                             | The concentration divided by body mass index.  | Concentration Divided by Body Mass Index                     |
| C102368         | CONCD                  | Conc by Dose                            | The concentration divided by dose.   | Concentration Divided by Dose                                |
| C102369         | CONCS                  | Conc by SA                              | The concentration divided by surface area.   | Concentration Divided by Surface Area                        |
| C102370         | CONCW                  | Conc by WT                              | The concentration divided by weight.   | Concentration Divided by Weight                              |
| C85821          | CORRXY                 | Correlation Between TimeX and Log ConcY | The correlation between time (X) and log concentration (Y) for the points used in the estimation of lambda z.                            | Time and Log Concentration Correlation                       |
| C102394         | CTROUGH                | Conc Trough                             | Concentration at end of dosing interval.   | Trough Concentration   |
| C102395         | CTROUGHB               | Conc Trough by BMI                      | The trough concentration divided by body mass index.   | Trough Concentration Divided by Body Mass Index              |
| C102396         | CTROUGH D              | Conc Trough by Dose                     | The trough concentration divided by dose.  | Trough Concentration Divided by Dose                         |
| C102397         | CTROUGH S              | Conc Trough by SA                       | The trough concentration divided by surface area.  | Trough Concentration Divided by Surface Area                 |
| C102398         | CTROUGH W              | Conc Trough by WT                       | The trough concentration divided by weight.  | Trough Concentration Divided by Weight                       |
| C95007          | EFFHL                  | Effective Half-Life                     | The drug half-life that quantifies the accumulation ratio of a drug following multiple dosing.   | Effective Half-life  |
| C105449         | ERINT                  | Excret Rate from T1 to T2               | The excretion rate over the interval from T1 to T2, determined for the specimen type specified in PPSPEC.                                | Excretion Rate From T1 to T2                                 |
| C105450         | ERINTB                 | Excret Rate from T1 to T2 Norm by BMI   | The excretion rate over the interval from T1 to T2 divided by the body mass index, determined for the specimen type specified in PPSPEC. | Excretion Rate From T1 to T2 Normalized by BMI               |
| C105451         | ERINTD                 | Excret Rate from T1 to T2 Norm by Dose  | The excretion rate over the interval from T1 to T2 divided by the dose, determined for the specimen type specified in PPSPEC.            | Excretion Rate From T1 to T2 Normalized by Dose              |
| C105452         | ERINTS                 | Excret Rate from T1 to T2 Norm by SA    | The excretion rate over the interval from T1 to T2 divided by the surface area, determined for the specimen type specified in PPSPEC.    | Excretion Rate From T1 to T2 Normalized by SA                |
| C105453         | ERINTW                 | Excret Rate from T1 to T2 Norm by WT    | The excretion rate over the interval from T1 to T2 divided by the weight, determined for the specimen type specified in PPSPEC.          | Excretion Rate From T1 to T2 Normalized by WT                |
| C85656          | ERLST                  | Last Meas Excretion Rate                | The last measurable (positive) excretion rate determined for the specimen type specified in PPSPEC.                                      | Last Measurable Observed Excretion Rate                      |
| C92391          | ERLSTB                 | Last Meas Excretion Rate Norm by BMI    | The last measurable (positive) excretion rate divided by the body mass index.  | Last Measurable Excretion Rate Normalized by Body Mass Index |
| C92392          | ERLSTD                 | Last Meas Excretion Rate Norm by Dose   | The last measurable (positive) excretion rate divided by the dose.   | Last Measurable Excretion Rate Normalized by Dose            |
| C92393          | ERLSTS                 | Last Meas Excretion Rate Norm by SA     | The last measurable (positive) excretion rate divided by the surface area.   | Last Measurable Excretion Rate Normalized by Surface Area    |
| C92394          | ERLSTW                 | Last Meas Excretion Rate Norm by WT     | The last measurable (positive) excretion rate divided by the weight.   | Last Measurable Excretion Rate Normalized by Weight          |
| C85699          | ERMAX                  | Max Excretion Rate                      | The maximum excretion rate determined for the specimen type specified in PPSPEC.   | Maximum Observed Excretion Rate                              |

| C85839 PKPARMCD |                        |   |  |   |
|-----------------|------------------------|---|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term  |
| C92395          | ERMAXB                 | Max Excretion Rate Norm by BMI          | The maximum excretion rate divided by the body mass index.   | Maximum Observed Excretion Rate Normalized by Body Mass Index           |
| C92396          | ERMAXD                 | Max Excretion Rate Norm by Dose         | The maximum excretion rate divided by the dose.  | Maximum Observed Excretion Rate Normalized by Dose                      |
| C92397          | ERMAXS                 | Max Excretion Rate Norm by SA           | The maximum excretion rate divided by the surface area.  | Maximum Observed Excretion Rate Normalized by Surface Area              |
| C92398          | ERMAXW                 | Max Excretion Rate Norm by WT           | The maximum excretion rate divided by the weight.  | Maximum Observed Excretion Rate Normalized by Weight                    |
| C85580          | ERTLST                 | Midpoint of Interval of Last Nonzero ER | The midpoint of collection interval associated with last measurable excretion rate.  | Collection Interval Midpoint  |
| C85823          | ERTMAX                 | Midpoint of Interval of Maximum ER      | The midpoint of collection interval associated with the maximum excretion rate.  | Time of Maximum Observed Excretion Rate                                 |
| C85581          | FLUCP                  | Fluctuation%                            | The difference between Cmin and Cmax standardized to Cavg, between dose time and Tau.  | Concentration Variability Between Dose Time and Tau                     |
| C112287         | HDCL                   | Hemodialysis Clearance                  | The clearance of a substance from the blood during a hemodialysis session.   | Hemodialysis Clearance  |
| C116213         | HDER                   | Hemodialysis Extraction Ratio           | The fractional content of a substance removed from the blood during a hemodialysis session.  | Hemodialysis Extraction Ratio   |
| C85652          | LAMZ                   | Lambda z                                | The first order rate constant associated with the terminal (log-linear) portion of the curve.  | Lambda Z  |
| C85818          | LAMZHL                 | Half-Life Lambda z                      | Terminal half-life.  | Terminal Half Life  |
| C85653          | LAMZLL                 | Lambda z Lower Limit                    | The lower limit on time for values to be included in the calculation of Lambda z.  | Lambda Z Time Lower Limit   |
| C85816          | LAMZNPT                | Number of Points for Lambda z           | The number of time points used in computing Lambda z.  | Sum of Lambda Z Timepoints  |
| C85654          | LAMZUL                 | Lambda z Upper Limit                    | The upper limit on time for values to be included in the calculation of Lambda z.  | Lambda Z Time Upper Limit   |
| C120723         | MAT                    | Mean Absorption Time                    | Mean absorption time of a substance administered by extravascular dosing.  | Mean Absorption Time  |
| C120724         | MRTEVIFO               | MRT Extravasc Infinity Obs              | The mean residence time (MRT) extrapolated to infinity for a substance administered by extravascular dosing, calculated using the observed value of the last non-zero concentration. Extravascular MRT includes Mean Absorption Time (MAT).  | Mean Residence Time Infinity Observed by Extravascular Dose             |
| C120725         | MRTEVIFP               | MRT Extravasc Infinity Pred             | The mean residence time (MRT) extrapolated to infinity for a substance administered by extravascular dosing, calculated using the predicted value of the last non-zero concentration. Extravascular MRT includes Mean Absorption Time (MAT). | Mean Residence Time Infinity Predicted by Extravascular Dose            |
| C120726         | MRTEVLST               | MRT Extravasc to Last Nonzero Conc      | Mean residence time (MRT) from the time of dosing to the time of the last measurable concentration for a substance administered by extravascular dosing. Extravascular MRT includes Mean Absorption Time (MAT).                              | Mean Residence Time to Last Nonzero Concentration by Extravascular Dose |
| C121134         | MRTIVIFO               | MRT Intravasc Infinity Obs              | The mean residence time (MRT) extrapolated to infinity for a substance administered by intravascular dosing, calculated using the observed value of the last non-zero concentration.   | Mean Residence Time Infinity Observed by Intravascular Dose             |
| C121136         | MRTIVIFP               | MRT Intravasc Infinity Pred             | The mean residence time (MRT) extrapolated to infinity for a substance administered by intravascular dosing, calculated using the predicted value of the last non-zero concentration.  | Mean Residence Time Infinity Predicted by Intravascular Dose            |
| C121137         | MRTIVLST               | MRT Intravasc to Last Nonzero Conc      | Mean residence time (MRT) from the time of dosing to the time of the last measurable concentration, for a substance administered by intravascular dosing.  | Mean Residence Time to Last Nonzero Concentration by Intravascular Dose |

| C85839 PKPARMCD |                        |                                   |   |   |
|-----------------|------------------------|-----------------------------------|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                     | CDISC Definition  | NCI Preferred Term  |
| C102376         | NRENALCL               | Nonrenal CL                       | The total clearance of a substance from the blood less the renal clearance.   | Nonrenal Clearance  |
| C105454         | NRENCLCB               | Nonrenal CL Norm by BMI           | The total clearance of a substance from the blood minus the renal clearance divided by the body mass index.   | Nonrenal Clearance Normalized by BMI                              |
| C105455         | NRENCLCD               | Nonrenal CL Norm by Dose          | The total clearance of a substance from the blood minus the renal clearance divided by the dose.  | Nonrenal Clearance Normalized by Dose                             |
| C105456         | NRENCLCS               | Nonrenal CL Norm by SA            | The total clearance of a substance from the blood minus the renal clearance divided by the surface area.  | Nonrenal Clearance Normalized by SA                               |
| C105457         | NRENCLCW               | Nonrenal CL Norm by WT            | The total clearance of a substance from the blood minus the renal clearance divided by the weight.  | Nonrenal Clearance Normalized by WT                               |
| C102381         | PTROUGHHR              | Peak Trough Ratio                 | The maximum concentration during a dosing interval divided by the concentration at the end of the dosing interval.  | Peak Trough Ratio   |
| C85542          | R2                     | R Squared                         | The goodness of fit statistic for the terminal elimination phase.   | R Squared   |
| C85553          | R2ADJ                  | R Squared Adjusted                | The goodness of fit statistic for the terminal elimination phase, adjusted for the number of time points used in the estimation of Lambda z.  | Adjusted R Squared  |
| C112032         | RCAMIFO                | Amt Rec Infinity Obs              | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration.                                  | Amount Recovered Infinity Observed                                |
| C112223         | RCAMIFOB               | Amt Rec Infinity Obs Norm by BMI  | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Amount Recovered Infinity Observed Normalized by Body Mass Index  |
| C112224         | RCAMIFOS               | Amt Rec Infinity Obs Norm by SA   | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Amount Recovered Infinity Observed Normalized by Surface Area     |
| C112225         | RCAMIFOW               | Amt Rec Infinity Obs Norm by WT   | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Amount Recovered Infinity Observed Normalized by Weight           |
| C112033         | RCAMIFP                | Amt Rec Infinity Pred             | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.                                 | Amount Recovered Infinity Predicted                               |
| C112226         | RCAMIFPB               | Amt Rec Infinity Pred Norm by BMI | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Amount Recovered Infinity Predicted Normalized by Body Mass Index |
| C112227         | RCAMIFPS               | Amt Rec Infinity Pred Norm by SA  | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Amount Recovered Infinity Predicted Normalized by Surface Area    |
| C112228         | RCAMIFPW               | Amt Rec Infinity Pred Norm by WT  | The cumulative amount recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Amount Recovered Infinity Predicted Normalized by Weight          |
| C102359         | RCAMINT                | Amt Rec from T1 to T2             | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2.   | Amount Recovered from T1 to T2                                    |
| C102360         | RCAMINTB               | Amt Rec from T1 to T2 Norm by BMI | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by body mass index.  | Amount Recovered from T1 to T2 Normalized by Body Mass Index      |
| C102361         | RCAMINTS               | Amt Rec from T1 to T2 Norm by SA  | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by surface area.   | Amount Recovered from T1 to T2 Normalized by Surface Area         |
| C102362         | RCAMINTW               | Amt Rec from T1 to T2 Norm by WT  | The cumulative amount recovered from the specimen type specified in PPSPEC over the interval from T1 to T2 divided by weight.   | Amount Recovered from T1 to T2 Normalized by Weight               |
| C102363         | RCAMTAU                | Amt Rec Over Dosing Interval      | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU).   | Amount Recovered Over Dosing Interval                             |

| C85839 PKPARMCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                            | CDISC Definition  | NCI Preferred Term  |
| C102364         | RCAMTAUB               | Amt Rec Over Dosing Interval Norm by BMI | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by body mass index.  | Amount Recovered Over Dosing Interval Normalized by Body Mass Index |
| C102365         | RCAMTAUS               | Amt Rec Over Dosing Interval Norm by SA  | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by surface area.   | Amount Recovered Over Dosing Interval Normalized by Surface Area    |
| C102366         | RCAMTAUW               | Amt Rec Over Dosing Interval Norm by WT  | The cumulative amount recovered from the specimen type specified in PPSPEC between doses (TAU) divided by weight.   | Amount Recovered Over Dosing Interval Normalized by Weight          |
| C112034         | RCPCIFO                | Pct Rec Infinity Obs                     | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration.                                  | Percent Recovered Infinity Observed                                 |
| C112389         | RCPCIFOB               | Pct Rec Infinity Obs Norm by BMI         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the body mass index.  | Percent Recovered Infinity Observed Normalized by Body Mass Index   |
| C112390         | RCPCIFOS               | Pct Rec Infinity Obs Norm by SA          | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Percent Recovered Infinity Observed Normalized by Surface Area      |
| C112391         | RCPCIFOW               | Pct Rec Infinity Obs Norm by WT          | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Percent Recovered Infinity Observed Normalized by Weight            |
| C112035         | RCPCIFP                | Pct Rec Infinity Pred                    | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration.                                 | Percent Recovered Infinity Predicted                                |
| C112392         | RCPCIFPB               | Pct Rec Infinity Pred Norm by BMI        | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Percent Recovered Infinity Predicted Normalized by Body Mass Index  |
| C112393         | RCPCIFPS               | Pct Rec Infinity Pred Norm by SA         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Percent Recovered Infinity Predicted Normalized by Surface Area     |
| C112394         | RCPCIFPW               | Pct Rec Infinity Pred Norm by WT         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC extrapolated to infinity, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Percent Recovered Infinity Predicted Normalized by Weight           |
| C102382         | RCPCINT                | Pct Rec from T1 to T2                    | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2.  | Percent Recovered from T1 to T2                                     |
| C102383         | RCPCINTB               | Pct Rec from T1 to T2 Norm by BMI        | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by body mass index.   | Percent Recovered from T1 to T2 Normalized by Body Mass Index       |
| C102384         | RCPCINTS               | Pct Rec from T1 to T2 Norm by SA         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by surface area.  | Percent Recovered from T1 to T2 Normalized by Surface Area          |
| C102385         | RCPCINTW               | Pct Rec from T1 to T2 Norm by WT         | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, over the interval between T1 and T2 divided by weight.  | Percent Recovered from T1 to T2 Normalized by Weight                |
| C102386         | RCPCTAU                | Pct Rec Over Dosing Interval             | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU).  | Percent Recovered Over Dosing Interval                              |



| C85839 PKPARMCD |                        |  |   |  |
|-----------------|------------------------|--|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                            | CDISC Definition  | NCI Preferred Term   |
| C102387         | RCPCTAUB               | Pct Rec Over Dosing Interval Norm by BMI | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by the body mass index. | Percent Recovered Over Dosing Interval Normalized by Body Mass Index |
| C102388         | RCPCTAUS               | Pct Rec Over Dosing Interval Norm by SA  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by surface area.        | Percent Recovered Over Dosing Interval Normalized by Surface Area    |
| C102389         | RCPCTAUW               | Pct Rec Over Dosing Interval Norm by WT  | The percentage of the administered dose that is recovered from the specimen type specified in PPSPEC, between doses (TAU) divided by weight.              | Percent Recovered Over Dosing Interval Normalized by Weight          |
| C75913          | RENALCL                | Renal CL                                 | The clearance of a substance from the blood by the kidneys.   | Renal Clearance  |
| C105458         | RENALCLB               | Renal CL Norm by BMI                     | The clearance of a substance from the blood by the kidneys divided by the body mass index.  | Renal Clearance Normalized by BMI                                    |
| C105459         | RENALCLD               | Renal CL Norm by Dose                    | The clearance of a substance from the blood by the kidneys divided by the dose.   | Renal Clearance Normalized by Dose                                   |
| C105460         | RENALCLS               | Renal CL Norm by SA                      | The clearance of a substance from the blood by the kidneys divided by the surface area.   | Renal Clearance Normalized by SA                                     |
| C105461         | RENALCLW               | Renal CL Norm by WT                      | The clearance of a substance from the blood by the kidneys divided by the weight.   | Renal Clearance Normalized by WT                                     |
| C122050         | RENCLTAU               | Renal CL for Dose Int                    | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU.  | Renal Clearance for Dose Interval                                    |
| C122049         | RNCLINT                | Renal CL from T1 to T2                   | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2.   | Renal Clearance from T1 to T2  |
| C122330         | RNCLINTB               | Renal CL from T1 to T2 Norm by BMI       | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the body mass index.                                | Renal Clearance from T1 to T2 Normalized by Body Mass Index          |
| C122331         | RNCLINTD               | Renal CL from T1 to T2 Norm by Dose      | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the dose.   | Renal Clearance from T1 to T2 Normalized by Dose                     |
| C122332         | RNCLINTS               | Renal CL from T1 to T2 Norm by SA        | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the surface area.                                   | Renal Clearance from T1 to T2 Normalized by Surface Area             |
| C122333         | RNCLINTW               | Renal CL from T1 to T2 Norm by WT        | The clearance of a substance from the blood by the kidneys over the interval from T1 to T2 divided by the weight.   | Renal Clearance from T1 to T2 Normalized by Weight                   |
| C122334         | RNCLTAUB               | Renal CL for Dose Int Norm by BMI        | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the body mass index.                                      | Renal Clearance for Dose Interval Normalized by Body Mass Index      |
| C122335         | RNCLTAUD               | Renal CL for Dose Int Norm by Dose       | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the dose.   | Renal Clearance for Dose Interval Normalized by Dose                 |
| C122336         | RNCLTAUS               | Renal CL for Dose Int Norm by SA         | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the surface area.   | Renal Clearance for Dose Interval Normalized by Surface Area         |
| C122337         | RNCLTAUW               | Renal CL for Dose Int Norm by WT         | The clearance of a substance from the blood by the kidneys, calculated using AUCTAU, divided by the weight.   | Renal Clearance for Dose Interval Normalized by Weight               |
| C122338         | SRAUC                  | Stationarity Ratio AUC                   | The area under the curve (AUCTAU) at steady state divided by the area under the curve extrapolated to infinity for the initial dosing interval.           | Stationarity Ratio Area Under the Curve                              |
| C85824          | TLAG                   | Time Until First Nonzero Conc            | The time prior to the first measurable (non-zero) concentration.  | Time until First Nonzero Concentration                               |
| C85822          | TLST                   | Time of Last Nonzero Conc                | The time of the last measurable (positive) concentration.   | Time of Last Nonzero Concentration                                   |
| C70919          | TMAX                   | Time of CMAX                             | The time of maximum observed concentration sampled during a dosing interval.  | Tmax   |
| C85825          | TMIN                   | Time of CMIN Observation                 | The time of minimum concentration sampled during a dosing interval.   | Tmin   |

| C85839 PKPARMCD |                        |   |  |  |
|-----------------|------------------------|---|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                           | CDISC Definition   | NCI Preferred Term   |
| C122339         | TROUGHPR               | Trough Peak Ratio                       | The concentration at the start of a dosing interval divided by the maximum concentration during the dosing interval.   | Trough Peak Ratio  |
| C102371         | V0                     | Vol Dist Initial                        | The initial volume of distribution for a substance administered by bolus intravascular dosing.   | Initial Volume of Distribution   |
| C102372         | V0B                    | Vol Dist Initial Norm by BMI            | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the body mass index.  | Initial Volume of Distribution Normalized by Body Mass Index                   |
| C102373         | V0D                    | Vol Dist Initial Norm by Dose           | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the dose.   | Initial Volume of Distribution Normalized by Dose                              |
| C102374         | V0S                    | Vol Dist Initial Norm by SA             | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the surface area.   | Initial Volume of Distribution Normalized by Surface Area                      |
| C102375         | V0W                    | Vol Dist Initial Norm by WT             | The initial volume of distribution for a substance administered by bolus intravascular dosing divided by the weight.   | Initial Volume of Distribution Normalized by Weight                            |
| C85817          | VOLPK                  | Sum of Urine Vol                        | The sum of urine volumes that are used for PK parameters.  | Sum Urine Volume   |
| C85770          | VSSO                   | Vol Dist Steady State Obs               | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing.  | Observed Steady State Volume of Distribution                                   |
| C102377         | VSSOB                  | Vol Dist Steady State Obs Norm by BMI   | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the body mass index.   | Observed Steady State Volume of Distribution Normalized by Body Mass Index     |
| C102378         | VSSOD                  | Vol Dist Steady State Obs Norm by Dose  | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the dose.  | Observed Steady State Volume of Distribution Normalized by Dose                |
| C102379         | VSSOS                  | Vol Dist Steady State Obs Norm by SA    | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the surface area.  | Observed Steady State Volume of Distribution Normalized by Surface Area        |
| C102380         | VSSOW                  | Vol Dist Steady State Obs Norm by WT    | The volume of distribution at steady state based on the observed CLST for a substance administered by intravascular dosing divided by the weight.  | Observed Steady State Volume of Distribution Normalized by Weight              |
| C85794          | VSSP                   | Vol Dist Steady State Pred              | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing.   | Predicted Steady State Volume of Distribution                                  |
| C102390         | VSSPB                  | Vol Dist Steady State Pred Norm by BMI  | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the body mass index.  | Predicted Steady State Volume of Distribution Normalized by Body Mass Index    |
| C102391         | VSSPD                  | Vol Dist Steady State Pred Norm by Dose | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the dose.   | Predicted Steady State Volume of Distribution Normalized by Dose               |
| C102392         | VSSPS                  | Vol Dist Steady State Pred Norm by SA   | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the surface area.   | Predicted Steady State Volume of Distribution Normalized by Surface Area       |
| C102393         | VSSPW                  | Vol Dist Steady State Pred Norm by WT   | The volume of distribution at steady state based on the predicted CLST for a substance administered by intravascular dosing divided by the weight.   | Predicted Steady State Volume of Distribution Normalized by Weight             |
| C85775          | VZFO                   | Vz Obs by F                             | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration.                                 | Observed Volume of Distribution of Absorbed Fraction                           |
| C92410          | VZFOB                  | Vz Obs by F Norm by BMI                 | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the body mass index. | Volume of Distribution of Fraction Dose Observed Normalized by Body Mass Index |

| C85839 PKPARMCD |                        |                                   |   |  |
|-----------------|------------------------|-----------------------------------|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                     | CDISC Definition  | NCI Preferred Term   |
| C102729         | VZFOD                  | Vz Obs by F Norm by Dose          | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the dose.             | Volume of Distribution of Fraction Dose Observed Normalized by Dose                  |
| C92411          | VZFOS                  | Vz Obs by F Norm by SA            | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Volume of Distribution of Fraction Dose Observed Normalized by Surface Area          |
| C92412          | VZFWO                  | Vz Obs by F Norm by WT            | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Volume of Distribution of Fraction Dose Observed Normalized by Weight                |
| C85799          | VZFP                   | Vz Pred by F                      | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration.                                 | Predicted Volume of Distribution of Absorbed Fraction                                |
| C92428          | VZFPB                  | Vz Pred by F Norm by BMI          | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Volume of Distribution of Fraction Dose Predicted Normalized by Body Mass Index      |
| C102730         | VZFPD                  | Vz Pred by F Norm by Dose         | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the dose.            | Volume of Distribution of Fraction Dose Predicted Normalized by Dose                 |
| C92429          | VZFPS                  | Vz Pred by F Norm by SA           | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Volume of Distribution of Fraction Dose Predicted Normalized by Surface Area         |
| C92430          | VZFPW                  | Vz Pred by F Norm by WT           | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Volume of Distribution of Fraction Dose Predicted Normalized by Weight               |
| C111364         | VZFTAU                 | Vz for Dose Int by F              | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU.   | Volume of Distribution for Dosing Interval by Fraction                               |
| C111365         | VZFTAUB                | Vz for Dose Int by F Norm by BMI  | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the body mass index.   | Volume of Distribution for Dosing Interval by Fraction Normalized by Body Mass Index |
| C111366         | VZFTAUD                | Vz for Dose Int by F Norm by Dose | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the dose.  | Volume of Distribution for Dosing Interval by Fraction Normalized by Dose            |
| C111367         | VZFTAUS                | Vz for Dose Int by F Norm by SA   | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the surface area.  | Volume of Distribution for Dosing Interval by Fraction Normalized by Surface Area    |
| C111368         | VZFTAUW                | Vz for Dose Int by F Norm by WT   | The volume of distribution associated with the terminal slope following extravascular administration divided by the fraction of dose absorbed, calculated using AUCTAU, divided by the weight.  | Volume of Distribution for Dosing Interval by Fraction Normalized by Weight          |
| C85774          | VZO                    | Vz Obs                            | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration.   | Observed Volume of Distribution  |
| C92407          | VZOB                   | Vz Obs Norm by BMI                | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the body mass index.   | Volume of Distribution Observed Normalized by Body Mass Index                        |
| C102683         | VZOD                   | Vz Obs Norm by Dose               | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the dose.  | Observed Volume of Distribution Normalized by Dose                                   |

| C85839 PKPARMCD |                        |                              |  |  |
|-----------------|------------------------|------------------------------|--|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                | CDISC Definition   | NCI Preferred Term   |
| C92408          | VZOS                   | Vz Obs Norm by SA            | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the surface area.     | Volume of Distribution Observed Normalized by Surface Area               |
| C92409          | VZOW                   | Vz Obs Norm by WT            | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the observed value of the last non-zero concentration, divided by the weight.           | Volume of Distribution Observed Normalized by Weight                     |
| C85798          | VZP                    | Vz Pred                      | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration.                                 | Predicted Volume of Distribution   |
| C92425          | VZPB                   | Vz Pred Norm by BMI          | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the body mass index. | Volume of Distribution Predicted Normalized by Body Mass Index           |
| C102696         | VZPD                   | Vz Pred Norm by Dose         | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the dose.            | Predicted Volume of Distribution Normalized by Dose                      |
| C92426          | VZPS                   | Vz Pred Norm by SA           | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the surface area.    | Volume of Distribution Predicted Normalized by Surface Area              |
| C92427          | VZPW                   | Vz Pred Norm by WT           | The volume of distribution associated with the terminal slope following intravascular administration, calculated using the predicted value of the last non-zero concentration, divided by the weight.          | Volume of Distribution Predicted Normalized by Weight                    |
| C111333         | VZTAU                  | Vz for Dose Int              | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU.   | Volume of Distribution for Dosing Interval                               |
| C111369         | VZTAUB                 | Vz for Dose Int Norm by BMI  | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the body mass index.   | Volume of Distribution for Dosing Interval Normalized by Body Mass Index |
| C111370         | VZTAUD                 | Vz for Dose Int Norm by Dose | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the dose.  | Volume of Distribution for Dosing Interval Normalized by Dose            |
| C111371         | VZTAUS                 | Vz for Dose Int Norm by SA   | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the surface area.  | Volume of Distribution for Dosing Interval Normalized by Surface Area    |
| C111372         | VZTAUW                 | Vz for Dose Int Norm by WT   | The volume of distribution associated with the terminal slope following intravascular administration, calculated using AUCTAU, divided by the weight.  | Volume of Distribution for Dosing Interval Normalized by Weight          |

## PKUNIT (PK Units of Measure)

NCI Code: C85494, Codelist extensible: Yes

| C85494 PKUNIT |                        |                      |  |   |
|---------------|------------------------|----------------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym        | CDISC Definition   | NCI Preferred Term                                    |
| C25613        | %                      | Percentage           | A fraction or ratio with 100 understood as the denominator. (NCI)  | Percentage  |
| C120727       | (L/day)/(kg/m2)        |                      | Liters per day (flow rate), divided by kilograms per meter squared (body mass index).                                | Liter per Day per Kilogram per Meter Squared          |
| C120728       | (L/day)/(mg/day)       |                      | Liters per day (flow rate), divided by milligrams per day (daily dose).  | Liter per Day per Milligram per Day                   |
| C120729       | (L/day)/(mg/kg)        |                      | Liters per day (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                     | Liter per Day per Milligram per Kilogram              |
| C120730       | (L/day)/(mg/kg/day)    |                      | Liters per day (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Liter per Day per Milligram per Kilogram per Day      |
| C120731       | (L/day)/(mg/m2)        |                      | Liters per day (flow rate), divided by milligrams per meter squared (dose normalized by surface area).               | Liter per Day per Milligram per Meter Squared         |
| C120732       | (L/day)/(mg/m2/day)    |                      | Liters per day (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Liter per Day per Milligram per Meter Squared per Day |
| C120733       | (L/day)/(ug/day)       |                      | Liters per day (flow rate), divided by micrograms per day (daily dose).  | Liter per Day per Microgram per Day                   |
| C120734       | (L/day)/(ug/kg)        |                      | Liters per day (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                     | Liter per Day per Microgram per Kilogram              |
| C120735       | (L/day)/(ug/kg/day)    |                      | Liters per day (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).       | Liter per Day per Microgram per Kilogram per Day      |
| C120736       | (L/day)/(ug/m2)        |                      | Liters per day (flow rate), divided by micrograms per meter squared (dose normalized by surface area).               | Liter per Day per Microgram per Meter Squared         |
| C120737       | (L/day)/(ug/m2/day)    |                      | Liters per day (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Liter per Day per Microgram per Meter Squared per Day |
| C85657        | (L/day)/g              |                      | Liters per day (flow rate), divided by grams (weight).   | Liter per Gram per Day                                |
| C73755        | (L/day)/kg             | (L/day)/kg; mL/g/day | Milliliters per gram per day or liters per day (flow rate), divided by kilograms (weight).                           | Milliliter per Gram per Day                           |
| C120738       | (L/day)/m2             |                      | Liters per day (flow rate), divided by meters squared (surface area).  | Liter per Day per Meter Squared                       |
| C85672        | (L/day)/mg             |                      | Liters per day (flow rate), divided by milligrams (dose).  | Liter per Milligram per Day                           |
| C85665        | (L/day)/ug             |                      | Liters per day (flow rate), divided by micrograms (dose).  | Liter per Microgram per Day                           |
| C120739       | (L/h)/(kg/m2)          |                      | Liters per hour (flow rate), divided by kilograms per meter squared (body mass index).                               | Liter per Hour per Kilogram per Meter Squared         |
| C120740       | (L/h)/(mg/day)         |                      | Liters per hour (flow rate), divided by milligrams per day (daily dose).   | Liter per Hour per Milligram per Day                  |

| C85494 PKUNIT |                        |                 |   |  |
|---------------|------------------------|-----------------|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                       |
| C120741       | (L/h)/(mg/kg)          |                 | Liters per hour (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                       | Liter per Hour per Milligram per Kilogram                |
| C120742       | (L/h)/(mg/kg/day)      |                 | Liters per hour (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).         | Liter per Hour per Milligram per Kilogram per Day        |
| C120743       | (L/h)/(mg/m2)          |                 | Liters per hour (flow rate), divided by milligrams per meter squared (dose normalized by surface area).                 | Liter per Hour per Milligram per Meter Squared           |
| C120744       | (L/h)/(mg/m2/day)      |                 | Liters per hour (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area).   | Liter per Hour per Milligram per Meter Squared per Day   |
| C120745       | (L/h)/(ug/day)         |                 | Liters per hour (flow rate), divided by micrograms per day (daily dose).  | Liter per Hour per Microgram per Day                     |
| C120746       | (L/h)/(ug/kg)          |                 | Liters per hour (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                       | Liter per Hour per Microgram per Kilogram                |
| C120747       | (L/h)/(ug/kg/day)      |                 | Liters per hour (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).         | Liter per Hour per Microgram per Kilogram per Day        |
| C120748       | (L/h)/(ug/m2)          |                 | Liters per hour (flow rate), divided by micrograms per meter squared (dose normalized by surface area).                 | Liter per Hour per Microgram per Meter Squared           |
| C120749       | (L/h)/(ug/m2/day)      |                 | Liters per hour (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area).   | Liter per Hour per Microgram per Meter Squared per Day   |
| C85658        | (L/h)/g                |                 | Liters per hour (flow rate), divided by grams (weight).   | Liter per Gram per Hour                                  |
| C73756        | (L/h)/kg               | (L/h)/kg;mL/g/h | Milliliters per gram per hour or liters per hour (flow rate), divided by kilograms (weight).                            | Milliliter per Gram per Hour                             |
| C85673        | (L/h)/mg               |                 | Liters per hour (flow rate), divided by milligrams (dose).  | Liter per Milligram per Hour                             |
| C85662        | (L/h)/ug               |                 | Liters per hour (flow rate), divided by micrograms (dose).  | Liter per Microgram per Hour                             |
| C120750       | (L/min)/(kg/m2)        |                 | Liters per minute (flow rate), divided by kilograms per meter squared (body mass index).                                | Liter per Minute per Kilogram per Meter Squared          |
| C120751       | (L/min)/(mg/day)       |                 | Liters per minute (flow rate), divided by milligrams per day (daily dose).  | Liter per Minute per Milligram per Day                   |
| C120752       | (L/min)/(mg/kg)        |                 | Liters per minute (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                     | Liter per Minute per Milligram per Kilogram              |
| C120753       | (L/min)/(mg/kg/day)    |                 | Liters per minute (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Liter per Minute per Milligram per Kilogram per Day      |
| C120754       | (L/min)/(mg/m2)        |                 | Liters per minute (flow rate), divided by milligrams per meter squared (dose normalized by surface area).               | Liter per Minute per Milligram per Meter Squared         |
| C120755       | (L/min)/(mg/m2/day)    |                 | Liters per minute (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Liter per Minute per Milligram per Meter Squared per Day |

| C85494 PKUNIT |                        |                     |   |  |
|---------------|------------------------|---------------------|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym       | CDISC Definition  | NCI Preferred Term   |
| C120756       | (L/min)/(ug/day)       |                     | Liters per minute (flow rate), divided by micrograms per day (daily dose).  | Liter per Minute per Microgram per Day                     |
| C120757       | (L/min)/(ug/kg)        |                     | Liters per minute (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                       | Liter per Minute per Microgram per Kilogram                |
| C120758       | (L/min)/(ug/kg/day)    |                     | Liters per minute (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).         | Liter per Minute per Microgram per Kilogram per Day        |
| C120759       | (L/min)/(ug/m2)        |                     | Liters per minute (flow rate), divided by micrograms per meter squared (dose normalized by surface area).                 | Liter per Minute per Microgram per Meter Squared           |
| C120760       | (L/min)/(ug/m2/day)    |                     | Liters per minute (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area).   | Liter per Minute per Microgram per Meter Squared per Day   |
| C85659        | (L/min)/g              |                     | Liters per minute (flow rate), divided by grams (weight).   | Liter per Gram per Minute                                  |
| C73757        | (L/min)/kg             | (L/min)/kg;mL/g/min | Milliliters per gram per minute or liters per minute (flow rate), divided by kilograms (weight).                          | Milliliter per Gram per Minute                             |
| C85674        | (L/min)/mg             |                     | Liters per minute (flow rate), divided by milligrams (dose).  | Liter per Milligram per Minute                             |
| C85666        | (L/min)/ug             |                     | Liters per minute (flow rate), divided by micrograms (dose).  | Liter per Microgram per Minute                             |
| C120761       | (mL/day)/(kg/m2)       |                     | Milliliters per day (flow rate), divided by kilograms per meter squared (body mass index).                                | Milliliter per Day per Kilogram per Meter Squared          |
| C120762       | (mL/day)/(mg/day)      |                     | Milliliters per day (flow rate), divided by milligrams per day (daily dose).  | Milliliter per Day per Milligram per Day                   |
| C120763       | (mL/day)/(mg/kg)       |                     | Milliliters per day (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                     | Milliliter per Day per Milligram per Kilogram              |
| C120764       | (mL/day)/(mg/kg/day)   |                     | Milliliters per day (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Milliliter per Day per Milligram per Kilogram per Day      |
| C120765       | (mL/day)/(mg/m2)       |                     | Milliliters per day (flow rate), divided by milligrams per meter squared (dose normalized by surface area).               | Milliliter per Day per Milligram per Meter Squared         |
| C120766       | (mL/day)/(mg/m2/day)   |                     | Milliliters per day (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Milliliter per Day per Milligram per Meter Squared per Day |
| C120767       | (mL/day)/(ug/day)      |                     | Milliliters per day (flow rate), divided by micrograms per day (daily dose).  | Milliliter per Day per Microgram per Day                   |
| C120768       | (mL/day)/(ug/kg)       |                     | Milliliters per day (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                     | Milliliter per Day per Microgram per Kilogram              |
| C120769       | (mL/day)/(ug/kg/day)   |                     | Milliliters per day (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).       | Milliliter per Day per Microgram per Kilogram per Day      |
| C120770       | (mL/day)/(ug/m2)       |                     | Milliliters per day (flow rate), divided by micrograms per meter squared (dose normalized by surface area).               | Milliliter per Day per Microgram per Meter Squared         |

| C85494 PKUNIT |                        |                       |  |   |
|---------------|------------------------|-----------------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym         | CDISC Definition   | NCI Preferred Term  |
| C120771       | (mL/day)/(ug/m2/day)   |                       | Milliliters per day (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area).  | Milliliter per Day per Microgram per Meter Squared per Day  |
| C120772       | (mL/day)/g             |                       | Milliliters per day (flow rate), divided by grams (weight).  | Milliliter per Day per Gram                                 |
| C73758        | (mL/day)/kg            | (mL/day)/kg;mL/kg/day | Milliliters per kilogram per day or milliliters per day (flow rate), divided by kilograms (weight).                        | Milliliter per Kilogram per Day                             |
| C120773       | (mL/day)/m2            |                       | Milliliters per day (flow rate), divided by meters squared (surface area).   | Milliliter per Day per Meter Squared                        |
| C120774       | (mL/day)/mg            |                       | Milliliters per day (flow rate), divided by milligrams (dose).   | Milliliter per Day per Milligram                            |
| C120775       | (mL/day)/ug            |                       | Milliliters per day (flow rate), divided by micrograms (dose).   | Milliliter per Day per Microgram                            |
| C120776       | (mL/h)/(kg/m2)         |                       | Milliliters per hour (flow rate), divided by kilograms per meter squared (body mass index).                                | Milliliter per Hour per Kilogram per Meter Squared          |
| C120777       | (mL/h)/(mg/day)        |                       | Milliliters per hour (flow rate), divided by milligrams per day (daily dose).  | Milliliter per Hour per Milligram per Day                   |
| C120778       | (mL/h)/(mg/kg)         |                       | Milliliters per hour (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                     | Milliliter per Hour per Milligram per Kilogram              |
| C120779       | (mL/h)/(mg/kg/day)     |                       | Milliliters per hour (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Milliliter per Hour per Milligram per Kilogram per Day      |
| C120780       | (mL/h)/(mg/m2)         |                       | Milliliters per hour (flow rate), divided by milligrams per meter squared (dose normalized by surface area).               | Milliliter per Hour per Milligram per Meter Squared         |
| C120781       | (mL/h)/(mg/m2/day)     |                       | Milliliters per hour (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Milliliter per Hour per Milligram per Meter Squared per Day |
| C120782       | (mL/h)/(ug/day)        |                       | Milliliters per hour (flow rate), divided by micrograms per day (daily dose).  | Milliliter per Hour per Microgram per Day                   |
| C120783       | (mL/h)/(ug/kg)         |                       | Milliliters per hour (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                     | Milliliter per Hour per Microgram per Kilogram              |
| C120784       | (mL/h)/(ug/kg/day)     |                       | Milliliters per hour (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).       | Milliliter per Hour per Microgram per Kilogram per Day      |
| C120785       | (mL/h)/(ug/m2)         |                       | Milliliters per hour (flow rate), divided by micrograms per meter squared (dose normalized by surface area).               | Milliliter per Hour per Microgram per Meter Squared         |
| C120786       | (mL/h)/(ug/m2/day)     |                       | Milliliters per hour (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Milliliter per Hour per Microgram per Meter Squared per Day |
| C120787       | (mL/h)/g               |                       | Milliliters per hour (flow rate), divided by grams (weight).   | Milliliter per Hour per Gram                                |
| C73759        | (mL/h)/kg              | (mL/h)/kg;mL/kg/h     | Milliliters per kilogram per hour or milliliters per hour (flow rate), divided by kilograms (weight).                      | Milliliter per Kilogram per Hour                            |
| C120788       | (mL/h)/m2              |                       | Milliliters per hour (flow rate), divided by meters squared (surface area).  | Milliliter per Hour per Meter Squared                       |



| C85494 PKUNIT |                        |                       |  |   |
|---------------|------------------------|-----------------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym         | CDISC Definition   | NCI Preferred Term  |
| C120789       | (mL/h)/mg              |                       | Milliliters per hour (flow rate), divided by milligrams (dose).  | Milliliter per Hour per Milligram                             |
| C120790       | (mL/h)/ug              |                       | Milliliters per hour (flow rate), divided by micrograms (dose).  | Milliliter per Hour per Microgram                             |
| C120791       | (mL/min)/(kg/m2)       |                       | Milliliters per minute (flow rate), divided by kilograms per meter squared (body mass index).                                | Milliliter per Minute per Kilogram per Meter Squared          |
| C120792       | (mL/min)/(mg/day)      |                       | Milliliters per minute (flow rate), divided by milligrams per day (daily dose).  | Milliliter per Minute per Milligram per Day                   |
| C120793       | (mL/min)/(mg/kg)       |                       | Milliliters per minute (flow rate), divided by milligrams per kilogram (dose normalized by body weight).                     | Milliliter per Minute per Milligram per Kilogram              |
| C120794       | (mL/min)/(mg/kg/day)   |                       | Milliliters per minute (flow rate), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Milliliter per Minute per Milligram per Kilogram per Day      |
| C120795       | (mL/min)/(mg/m2)       |                       | Milliliters per minute (flow rate), divided by milligrams per meter squared (dose normalized by surface area).               | Milliliter per Minute per Milligram per Meter Squared         |
| C120796       | (mL/min)/(mg/m2/day)   |                       | Milliliters per minute (flow rate), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Milliliter per Minute per Milligram per Meter Squared per Day |
| C120797       | (mL/min)/(ug/day)      |                       | Milliliters per minute (flow rate), divided by micrograms per day (daily dose).  | Milliliter per Minute per Microgram per Day                   |
| C120798       | (mL/min)/(ug/kg)       |                       | Milliliters per minute (flow rate), divided by micrograms per kilogram (dose normalized by body weight).                     | Milliliter per Minute per Microgram per Kilogram              |
| C120799       | (mL/min)/(ug/kg/day)   |                       | Milliliters per minute (flow rate), divided by micrograms per kilogram per day (daily dose normalized by body weight).       | Milliliter per Minute per Microgram per Kilogram per Day      |
| C120800       | (mL/min)/(ug/m2)       |                       | Milliliters per minute (flow rate), divided by micrograms per meter squared (dose normalized by surface area).               | Milliliter per Minute per Microgram per Meter Squared         |
| C120801       | (mL/min)/(ug/m2/day)   |                       | Milliliters per minute (flow rate), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Milliliter per Minute per Microgram per Meter Squared per Day |
| C120802       | (mL/min)/g             |                       | Milliliters per minute (flow rate), divided by grams (weight).   | Milliliter per Minute per Gram                                |
| C73760        | (mL/min)/kg            | (mL/min)/kg;mL/kg/min | Milliliters per kilogram per minute or milliliters per minute (flow rate), divided by kilograms (weight).                    | Milliliter per Kilogram per Minute                            |
| C120803       | (mL/min)/m2            |                       | Milliliters per minute (flow rate), divided by meters squared (surface area).  | Milliliter per Minute per Meter Squared                       |
| C120804       | (mL/min)/mg            |                       | Milliliters per minute (flow rate), divided by milligrams (dose).  | Milliliter per Minute per Milligram                           |
| C120805       | (mL/min)/ug            |                       | Milliliters per minute (flow rate), divided by micrograms (dose).  | Milliliter per Minute per Microgram                           |
| C25473        | /day                   | Daily;Per Day         | A rate of occurrence within a period of time equal to one day.   | Daily   |
| C66966        | /h                     | Per Hour              | A rate of occurrences within a period of time equal to one hour.   | Per Hour  |

| C85494 PKUNIT |                        |               |  |   |
|---------------|------------------------|---------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term  |
| C66967        | /min                   |               | A rate of occurrences within a period of time equal to one minute.   | Per Minute  |
| C25301        | day                    | Day           | The time for Earth to make a complete rotation on its axis; ordinarily divided into twenty-four hours. This also refers to a specific day. (NCI) | Day   |
| C85583        | day*fg/mL              |               | Days times femtograms per milliliter (area under the curve).   | Day Times Femtogram per Milliliter                                |
| C111167       | day*fg/mL/(kg/m2)      |               | Days times femtograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Day Times Femtogram per Milliliter per Kilogram per Meter Squared |
| C117894       | day*fg/mL/(mg/g)       |               | Days times femtograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Day Times Femtogram Per Milliliter Per Milligram Per Gram         |
| C117895       | day*fg/mL/(mg/g/day)   |               | Days times femtograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Day Times Femtogram Per Milliliter Per Milligram Per Gram Per Day |
| C112244       | day*fg/mL/g            |               | Days times femtograms per milliliter (area under the curve), divided by grams (weight).  | Day Times Femtogram Per Milliliter Per Gram                       |
| C112245       | day*fg/mL/kg           |               | Days times femtograms per milliliter (area under the curve), divided by kilograms (weight).  | Day Times Femtogram Per Milliliter Per Kilogram                   |
| C111168       | day*fg/mL/m2           |               | Days times femtograms per milliliter (area under the curve), divided by meters squared (surface area).   | Day Times Femtogram per Milliliter per Meter Squared              |
| C85584        | day*g/mL               |               | Days times grams per milliliter (area under the curve).  | Day Times Gram per Milliliter                                     |
| C111169       | day*g/mL/(kg/m2)       |               | Days times grams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                                | Day Times Gram per Milliliter per Kilogram per Meter Squared      |
| C117896       | day*g/mL/(mg/g)        |               | Days times grams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                         | Day Times gram Per Milliliter Per Milligram Per Gram              |
| C117897       | day*g/mL/(mg/g/day)    |               | Days times grams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).           | Day Times gram Per Milliliter Per Milligram Per Gram Per Day      |
| C112246       | day*g/mL/g             |               | Days times grams per milliliter (area under the curve), divided by grams (weight).   | Day Times Gram Per Milliliter Per Gram                            |
| C112247       | day*g/mL/kg            |               | Days times grams per milliliter (area under the curve), divided by kilograms (weight).   | Day Times Gram Per Milliliter Per Kilogram                        |
| C111170       | day*g/mL/m2            |               | Days times grams per milliliter (area under the curve), divided by meters squared (surface area).  | Day Times Gram per Milliliter per Meter Squared                   |
| C85588        | day*mg/mL              |               | Days times milligrams per milliliter (area under the curve).   | Day Times Milligram per Milliliter                                |
| C111175       | day*mg/mL/(kg/m2)      |               | Days times milligrams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Day Times Milligram per Milliliter per Kilogram per Meter Squared |

| C85494 PKUNIT |                        |               |   |   |
|---------------|------------------------|---------------|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term  |
| C117898       | day*mg/mL/(mg/g)       |               | Days times milligrams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Day Times Milligram Per Milliliter Per Milligram Per Gram         |
| C117899       | day*mg/mL/(mg/g/day)   |               | Days times milligrams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Day Times Milligram Per Milliliter Per Milligram Per Gram Per Day |
| C112252       | day*mg/mL/g            |               | Days times milligrams per milliliter (area under the curve), divided by grams (weight).   | Day Times Milligram Per Milliliter Per Gram                       |
| C112253       | day*mg/mL/kg           |               | Days times milligrams per milliliter (area under the curve), divided by kilograms (weight).   | Day Times Milligram Per Milliliter Per Kilogram                   |
| C111176       | day*mg/mL/m2           |               | Days times milligrams per milliliter (area under the curve), divided by meters squared (surface area).                                      | Day Times Milligram per Milliliter per Meter Squared              |
| C85587        | day*mmol/L             |               | Days times millimoles per liter (area under the curve).   | Day Times Micromole per Milliliter                                |
| C111177       | day*mmol/L/(kg/m2)     |               | Days times millimoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Day Times Millimole per Liter per Kilogram per Meter Squared      |
| C117900       | day*mmol/L/(mg/g)      |               | Days times millimoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Day Times Millimole Per Liter Per Milligram Per Gram              |
| C117901       | day*mmol/L/(mg/g/day)  |               | Days times millimoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Day Times Millimole Per Liter Per Milligram Per Gram Per Day      |
| C112254       | day*mmol/L/g           |               | Days times millimoles per liter (area under the curve), divided by grams (weight).  | Day Times Millimole Per Liter Per Gram                            |
| C112255       | day*mmol/L/kg          |               | Days times millimoles per liter (area under the curve), divided by kilograms (weight).  | Day Times Millimole Per Liter Per Kilogram                        |
| C111178       | day*mmol/L/m2          |               | Days times millimoles per liter (area under the curve), divided by meters squared (surface area).   | Day Times Millimole per Liter per Meter Squared                   |
| C85589        | day*mol/L              |               | Days times moles per liter (area under the curve).  | Day Times Millimole per Milliliter                                |
| C111179       | day*mol/L/(kg/m2)      |               | Days times moles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                                | Day Times Mole per Liter per Kilogram per Meter Squared           |
| C117902       | day*mol/L/(mg/g)       |               | Days times moles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                         | Day Times mole Per Liter Per Milligram Per Gram                   |
| C117903       | day*mol/L/(mg/g/day)   |               | Days times moles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).           | Day Times mole Per Liter Per Milligram Per Gram Per Day           |
| C112256       | day*mol/L/g            |               | Days times moles per liter (area under the curve), divided by grams (weight).   | Day Times Mole Per Liter Per Gram                                 |
| C112257       | day*mol/L/kg           |               | Days times moles per liter (area under the curve), divided by kilograms (weight).   | Day Times Mole Per Liter Per Kilogram                             |

| C85494 PKUNIT |                        |               |  |  |
|---------------|------------------------|---------------|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term   |
| C111180       | day*mol/L/m2           |               | Days times moles per liter (area under the curve), divided by meters squared (surface area).   | Day Times Mole per Liter per Meter Squared                       |
| C85591        | day*ng/mL              |               | Days times nanograms per milliliter (area under the curve).  | Day Times Nanogram per Milliliter                                |
| C111181       | day*ng/mL/(kg/m2)      |               | Days times nanograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Day Times Nanogram per Milliliter per Kilogram per Meter Squared |
| C117904       | day*ng/mL/(mg/g)       |               | Days times nanograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Day Times Nanogram Per Milliliter Per Milligram Per Gram         |
| C117905       | day*ng/mL/(mg/g/day)   |               | Days times nanograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Day Times Nanogram Per Milliliter Per Milligram Per Gram Per Day |
| C112258       | day*ng/mL/g            |               | Days times nanograms per milliliter (area under the curve), divided by grams (weight).   | Day Times Nanogram Per Milliliter Per Gram                       |
| C112259       | day*ng/mL/kg           |               | Days times nanograms per milliliter (area under the curve), divided by kilograms (weight).   | Day Times Nanogram Per Milliliter Per Kilogram                   |
| C111182       | day*ng/mL/m2           |               | Days times nanograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Day Times Nanogram per Milliliter per Meter Squared              |
| C85594        | day*nmol/L             |               | Days times nanomoles per liter (area under the curve).   | Day Times Picomole per Milliliter                                |
| C111183       | day*nmol/L/(kg/m2)     |               | Days times nanomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Day Times Nanomole per Liter per Kilogram per Meter Squared      |
| C117906       | day*nmol/L/(mg/g)      |               | Days times nanomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Day Times Nanomole Per Liter Per Milligram Per Gram              |
| C117907       | day*nmol/L/(mg/g/day)  |               | Days times nanomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Day Times Nanomole Per Liter Per Milligram Per Gram Per Day      |
| C112260       | day*nmol/L/g           |               | Days times nanomoles per liter (area under the curve), divided by grams (weight).  | Day Times Nanomole Per Liter Per Gram                            |
| C112261       | day*nmol/L/kg          |               | Days times nanomoles per liter (area under the curve), divided by kilograms (weight).  | Day Times Nanomole Per Liter Per Kilogram                        |
| C111184       | day*nmol/L/m2          |               | Days times nanomoles per liter (area under the curve), divided by meters squared (surface area).   | Day Times Nanomole per Liter per Meter Squared                   |
| C85593        | day*pg/mL              |               | Days times picograms per milliliter (area under the curve).  | Day Times Picogram per Milliliter                                |
| C111185       | day*pg/mL/(kg/m2)      |               | Days times picograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Day Times Picogram per Milliliter per Kilogram per Meter Squared |
| C117908       | day*pg/mL/(mg/g)       |               | Days times picograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Day Times Picogram Per Milliliter Per Milligram Per Gram         |

| C85494 PKUNIT |                        |               |   |   |
|---------------|------------------------|---------------|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term  |
| C117909       | day*pg/mL/(mg/g/day)   |               | Days times picograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).  | Day Times Picogram Per Milliliter Per Milligram Per Gram Per Day  |
| C112262       | day*pg/mL/g            |               | Days times picograms per milliliter (area under the curve), divided by grams (weight).  | Day Times Picogram Per Milliliter Per Gram                        |
| C112263       | day*pg/mL/kg           |               | Days times picograms per milliliter (area under the curve), divided by kilograms (weight).  | Day Times Picogram Per Milliliter Per Kilogram                    |
| C111186       | day*pg/mL/m2           |               | Days times picograms per milliliter (area under the curve), divided by meters squared (surface area).                                       | Day Times Picogram per Milliliter per Meter Squared               |
| C111187       | day*pmol/L             |               | Days times picomoles per liter (area under the curve).  | Day Times Picomole per Liter                                      |
| C111188       | day*pmol/L/(kg/m2)     |               | Days times picomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                            | Day Times Picomole per Liter per Kilogram per Meter Squared       |
| C117910       | day*pmol/L/(mg/g)      |               | Days times picomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                     | Day Times Picomole Per Liter Per Milligram Per Gram               |
| C117911       | day*pmol/L/(mg/g/day)  |               | Days times picomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).       | Day Times Picomole Per Liter Per Milligram Per Gram Per Day       |
| C112264       | day*pmol/L/g           |               | Days times picomoles per liter (area under the curve), divided by grams (weight).   | Day Times Picomole Per Liter Per Gram                             |
| C112265       | day*pmol/L/kg          |               | Days times picomoles per liter (area under the curve), divided by kilograms (weight).   | Day Times Picomole Per Liter Per Kilogram                         |
| C111189       | day*pmol/L/m2          |               | Days times picomoles per liter (area under the curve), divided by meters squared (surface area).  | Day Times Picomole per Liter per Meter Squared                    |
| C85586        | day*ug/mL              |               | Days times micrograms per milliliter (area under the curve).  | Day Times Microgram per Milliliter                                |
| C111171       | day*ug/mL/(kg/m2)      |               | Days times micrograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Day Times Microgram per Milliliter per Kilogram per Meter Squared |
| C117912       | day*ug/mL/(mg/g)       |               | Days times micrograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Day Times Microgram Per Milliliter Per Milligram Per Gram         |
| C117913       | day*ug/mL/(mg/g/day)   |               | Days times micrograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Day Times Microgram Per Milliliter Per Milligram Per Gram Per Day |
| C112248       | day*ug/mL/g            |               | Days times micrograms per milliliter (area under the curve), divided by grams (weight).   | Day Times Microgram Per Milliliter Per Gram                       |
| C112249       | day*ug/mL/kg           |               | Days times micrograms per milliliter (area under the curve), divided by kilograms (weight).   | Day Times Microgram Per Milliliter Per Kilogram                   |
| C111172       | day*ug/mL/m2           |               | Days times micrograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Day Times Microgram per Milliliter per Meter Squared              |

| C85494 PKUNIT |                        |               |  |  |
|---------------|------------------------|---------------|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term   |
| C85592        | day*umol/L             |               | Days times micromoles per liter (area under the curve).  | Day Times Nanomole per Milliliter                                |
| C111173       | day*umol/L/(kg/m2)     |               | Days times micromoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).  | Day Times Micromole per Liter per Kilogram per Meter Squared     |
| C117914       | day*umol/L/(mg/g)      |               | Days times micromoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                                   | Day Times Micromole Per Liter Per Milligram Per Gram             |
| C117915       | day*umol/L/(mg/g/day)  |               | Days times micromoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).                     | Day Times Micromole Per Liter Per Milligram Per Gram Per Day     |
| C112250       | day*umol/L/g           |               | Days times micromoles per liter (area under the curve), divided by grams (weight).   | Day Times Micromole Per Liter Per Gram                           |
| C112251       | day*umol/L/kg          |               | Days times micromoles per liter (area under the curve), divided by kilograms (weight).   | Day Times Micromole Per Liter Per Kilogram                       |
| C111174       | day*umol/L/m2          |               | Days times micromoles per liter (area under the curve), divided by meters squared (surface area).  | Day Times Micromole per Liter per Meter Squared                  |
| C85597        | fg/mL                  | fg/mL;pg/L    | A unit of concentration or mass density equal to one femtogram of substance per milliliter of solution or one picogram of substance per liter of solution. | Femtogram per Milliliter   |
| C119336       | fg/mL/(kg/m2)          |               | Femtograms per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Femtogram per Milliliter per Kilogram per Meter Squared          |
| C119337       | fg/mL/(mg/day)         |               | Femtograms per milliliter (concentration), divided by milligrams per day (daily dose).   | Femtogram per Milliliter per Milligram per Day                   |
| C119338       | fg/mL/(mg/kg)          |               | Femtograms per milliliter (concentration), divided by milligrams per kilogram.   | Femtogram per Milliliter per Milligram per Kilogram              |
| C119339       | fg/mL/(mg/kg/day)      |               | Femtograms per milliliter (concentration), divided by milligrams per kilogram per day.   | Femtogram per Milliliter per Milligram per Kilogram per Day      |
| C119340       | fg/mL/(mg/m2)          |               | Femtograms per milliliter (concentration), divided by milligrams per meter squared.  | Femtogram per Milliliter per Milligram per Meter Squared         |
| C119341       | fg/mL/(mg/m2/day)      |               | Femtograms per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).                        | Femtogram per Milliliter per Milligram per Meter Squared per Day |
| C119342       | fg/mL/(ug/day)         |               | Femtograms per milliliter (concentration), divided by micrograms per day (daily dose).   | Femtogram per Milliliter per Microgram per Day                   |
| C119343       | fg/mL/(ug/kg)          |               | Femtograms per milliliter (concentration), divided by micrograms per kilogram.   | Femtogram per Milliliter per Microgram per Kilogram              |
| C119344       | fg/mL/(ug/kg/day)      |               | Femtograms per milliliter (concentration), divided by micrograms per kilogram per day.   | Femtogram per Milliliter per Microgram per Kilogram per Day      |
| C119345       | fg/mL/(ug/m2)          |               | Femtograms per milliliter (concentration), divided by micrograms per meter squared.  | Femtogram per Milliliter per Microgram per Meter Squared         |

| C85494 PKUNIT |                        |  |   |  |
|---------------|------------------------|--|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C119346       | fg/mL/(ug/m2/day)      |  | Femtograms per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).                   | Femtogram per Milliliter per Microgram per Meter Squared per Day |
| C119347       | fg/mL/g                |  | Femtograms per milliliter (concentration), divided by grams (weight).   | Femtogram per Milliliter per Gram                                |
| C119348       | fg/mL/kg               |  | Femtograms per milliliter (concentration), divided by kilograms (weight).   | Femtogram per Milliliter per Kilogram                            |
| C119349       | fg/mL/m2               |  | Femtograms per milliliter (concentration), divided by meters squared (surface area).  | Femtogram per Milliliter per Meter Squared                       |
| C119350       | fg/mL/mg               |  | Femtograms per milliliter (concentration), divided by milligrams (dose).  | Femtogram per Milliliter per Milligram                           |
| C119351       | fg/mL/ug               |  | Femtograms per milliliter (concentration), divided by micrograms (dose).  | Femtogram per Milliliter per Microgram                           |
| C48155        | g                      | Gram   | A metric unit of mass equal to one one thousandth of a kilogram. (NCI)  | Gram   |
| C67372        | g/day                  | Gram per Day;g/24h;g/d;gram/24 Hours;gram/day                  | A dose calculation unit expressed in gram(s) per period of time equal to twenty-four hours.   | Gram per 24 Hours  |
| C85601        | g/h                    |  | A unit of mass flow rate or dose administration rate equal to one gram per hour.  | Gram per Hour  |
| C85602        | g/min                  |  | A unit of mass flow rate or dose administration rate equal to one gram per minute.  | Gram per Minute  |
| C64566        | g/mL                   | Gram per Milliliter;Kilogram per Liter;g/mL;gram/mL;kg/L;mg/uL | A unit of concentration or mass density equal to one gram of substance per milliliter of solution or one kilogram of substance per liter of solution. | Kilogram per Liter   |
| C119352       | g/mL/(kg/m2)           |  | Grams per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Gram per Milliliter per Kilogram per Meter Squared               |
| C119353       | g/mL/(mg/day)          |  | Grams per milliliter (concentration), divided by milligrams per day (daily dose).   | Gram per Milliliter per Milligram per Day                        |
| C105462       | g/mL/(mg/kg)           |  | Grams per milliliter (concentration), divided by milligrams per kilogram (dose normalized by body weight).  | Gram Per Milliliter Per Milligram Per Kilogram                   |
| C105463       | g/mL/(mg/kg/day)       |  | Grams per milliliter (concentration), divided by milligrams per kilogram per day (daily dose normalized by body weight).                              | Gram Per Milliliter Per Milligram Per Kilogram Per Day           |
| C119354       | g/mL/(mg/m2)           |  | Grams per milliliter (concentration), divided by milligrams per meter squared.  | Gram per Milliliter per Milligram per Meter Squared              |
| C119355       | g/mL/(mg/m2/day)       |  | Grams per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).                        | Gram per Milliliter per Milligram per Meter Squared per Day      |
| C119356       | g/mL/(ug/day)          |  | Grams per milliliter (concentration), divided by micrograms per day (daily dose).   | Gram per Milliliter per Microgram per Day                        |

| C85494 PKUNIT |                        |               |  |  |
|---------------|------------------------|---------------|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term   |
| C119357       | g/mL/(ug/kg)           |               | Grams per milliliter (concentration), divided by micrograms per kilogram.  | Gram per Milliliter per Microgram per Kilogram                     |
| C119358       | g/mL/(ug/kg/day)       |               | Grams per milliliter (concentration), divided by micrograms per kilogram per day.  | Gram per Milliliter per Microgram per Kilogram per Day             |
| C119359       | g/mL/(ug/m2)           |               | Grams per milliliter (concentration), divided by micrograms per meter squared.   | Gram per Milliliter per Microgram per Meter Squared                |
| C119360       | g/mL/(ug/m2/day)       |               | Grams per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).               | Gram per Milliliter per Microgram per Meter Squared per Day        |
| C119361       | g/mL/g                 |               | Grams per milliliter (concentration), divided by grams (weight).   | Gram per Milliliter per Gram                                       |
| C119362       | g/mL/kg                |               | Grams per milliliter (concentration), divided by kilograms (weight).   | Gram per Milliliter per Kilogram                                   |
| C119363       | g/mL/m2                |               | Grams per milliliter (concentration), divided by meters squared (surface area).  | Gram per Milliliter per Meter Squared                              |
| C119364       | g/mL/mg                |               | Grams per milliliter (concentration), divided by milligrams (dose).  | Gram per Milliliter per Milligram                                  |
| C119365       | g/mL/ug                |               | Grams per milliliter (concentration), divided by micrograms (dose).  | Gram per Milliliter per Microgram                                  |
| C25529        | h                      | Hour;hr       | A unit measure of time equal to 3,600 seconds or 60 minutes. It is approximately 1/24 of a median day. (NCI)                                 | Hour   |
| C85611        | h*fg/mL                |               | Hours times femtograms per milliliter (area under the curve).  | Hour Times Femtogram per Milliliter                                |
| C111210       | h*fg/mL/(kg/m2)        |               | Hours times femtograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Hour Times Femtogram per Milliliter per Kilogram per Meter Squared |
| C117916       | h*fg/mL/(mg/g)         |               | Hours times femtograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Hour Times Femtogram Per Milliliter Per Milligram Per Gram         |
| C117917       | h*fg/mL/(mg/g/day)     |               | Hours times femtograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Hour Times Femtogram Per Milliliter Per Milligram Per Gram Per Day |
| C112298       | h*fg/mL/g              |               | Hours times femtograms per milliliter (area under the curve), divided by grams (weight).   | Hour Times Femtogram Per Milliliter Per Gram                       |
| C112299       | h*fg/mL/kg             |               | Hours times femtograms per milliliter (area under the curve), divided by kilograms (weight).   | Hour Times Femtogram Per Milliliter Per Kilogram                   |
| C111211       | h*fg/mL/m2             |               | Hours times femtograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Hour Times Femtogram per Milliliter per Meter Squared              |
| C85613        | h*g/mL                 |               | Hours times grams per milliliter (area under the curve).   | Hour Times Gram per Milliliter                                     |
| C111212       | h*g/mL/(kg/m2)         |               | Hours times grams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Hour Times Gram per Milliliter per Kilogram per Meter Squared      |



| C85494 PKUNIT |                        |                    |  |  |
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| NCI Code      | CDISC Submission Value | CDISC Synonym      | CDISC Definition   | NCI Preferred Term   |
| C117918       | h*g/mL/(mg/g)          |                    | Hours times grams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Hour Times gram Per Milliliter Per Milligram Per Gram                  |
| C117919       | h*g/mL/(mg/g/day)      |                    | Hours times grams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Hour Times gram Per Milliliter Per Milligram Per Gram Per Day          |
| C105464       | h*g/mL/(mg/kg)         | h*g/mL/(ug/g)      | Hours times grams per milliliter (area under the curve), divided by milligrams per kilogram (dose normalized by body weight).                    | Hour Times Gram Per Milliliter Per Milligram Per Kilogram              |
| C105465       | h*g/mL/(mg/kg/day)     | h*g/mL/(ug/g/day)  | Hours times grams per milliliter (area under the curve), divided by milligrams per kilogram per day (daily dose normalized by body weight).      | Hour Times Gram Per Milliliter Per Milligram Per Kilogram Per Day      |
| C112300       | h*g/mL/g               |                    | Hours times grams per milliliter (area under the curve), divided by grams (weight).  | Hour Times Gram Per Milliliter Per Gram                                |
| C112301       | h*g/mL/kg              |                    | Hours times grams per milliliter (area under the curve), divided by kilograms (weight).  | Hour Times Gram Per Milliliter Per Kilogram                            |
| C111213       | h*g/mL/m2              |                    | Hours times grams per milliliter (area under the curve), divided by meters squared (surface area).   | Hour Times Gram per Milliliter per Meter Squared                       |
| C85621        | h*mg/mL                |                    | Hours times milligrams per milliliter (area under the curve).  | Hour Times Milligram per Milliliter                                    |
| C111218       | h*mg/mL/(kg/m2)        |                    | Hours times milligrams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                          | Hour Times Milligram per Milliliter per Kilogram per Meter Squared     |
| C117920       | h*mg/mL/(mg/g)         |                    | Hours times milligrams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                   | Hour Times Milligram Per Milliliter Per Milligram Per Gram             |
| C117921       | h*mg/mL/(mg/g/day)     |                    | Hours times milligrams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).     | Hour Times Milligram Per Milliliter Per Milligram Per Gram Per Day     |
| C105468       | h*mg/mL/(mg/kg)        | h*mg/mL/(ug/g)     | Hours times milligrams per milliliter (area under the curve), divided by milligrams per kilogram (dose normalized by body weight).               | Hour Times Milligram Per Milliliter Per Milligram Per Kilogram         |
| C105469       | h*mg/mL/(mg/kg/day)    | h*mg/mL/(ug/g/day) | Hours times milligrams per milliliter (area under the curve), divided by milligrams per kilogram per day (daily dose normalized by body weight). | Hour Times Milligram Per Milliliter Per Milligram Per Kilogram Per Day |
| C112305       | h*mg/mL/g              |                    | Hours times milligrams per milliliter (area under the curve), divided by grams (weight).   | Hour Times Milligram Per Milliliter Per Gram                           |
| C112306       | h*mg/mL/kg             |                    | Hours times milligrams per milliliter (area under the curve), divided by kilograms (weight).   | Hour Times Milligram Per Milliliter Per Kilogram                       |
| C111219       | h*mg/mL/m2             |                    | Hours times milligrams per milliliter (area under the curve), divided by meters squared (surface area).  | Hour Times Milligram per Milliliter per Meter Squared                  |
| C85618        | h*mmol/L               |                    | Hours times millimoles per liter (area under the curve).   | Hour Times Micromole per Milliliter                                    |

| C85494 PKUNIT |                        |               |   |   |
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| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term  |
| C111220       | h*mmol/L/(kg/m2)       |               | Hours times millimoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                          | Hour Times Millimole per Liter per Kilogram per Meter Squared     |
| C117922       | h*mmol/L/(mg/g)        |               | Hours times millimoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                   | Hour Times Millimole Per Liter Per Milligram Per Gram             |
| C117923       | h*mmol/L/(mg/g/day)    |               | Hours times millimoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).     | Hour Times Millimole Per Liter Per Milligram Per Gram Per Day     |
| C106530       | h*mmol/L/g             |               | Hours times millimoles per liter (area under the curve), divided by grams (weight).   | Hour times Millimole Per Liter Per Gram                           |
| C112307       | h*mmol/L/kg            |               | Hours times millimoles per liter (area under the curve), divided by kilograms (weight).   | Hour Times Millimole Per Liter Per Kilogram                       |
| C111221       | h*mmol/L/m2            |               | Hours times millimoles per liter (area under the curve), divided by meters squared (surface area).  | Hour Times Millimole per Liter per Meter Squared                  |
| C85622        | h*mol/L                |               | Hours times moles per liter (area under the curve).   | Hour Times Millimole per Milliliter                               |
| C111222       | h*mol/L/(kg/m2)        |               | Hours times moles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                               | Hour Times Mole per Liter per Kilogram per Meter Squared          |
| C117924       | h*mol/L/(mg/g)         |               | Hours times moles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Hour Times mole Per Liter Per Milligram Per Gram                  |
| C117925       | h*mol/L/(mg/g/day)     |               | Hours times moles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Hour Times mole Per Liter Per Milligram Per Gram Per Day          |
| C106531       | h*mol/L/g              |               | Hours times moles per liter (area under the curve), divided by grams (weight).  | Hour times Mole Per Liter Per Gram                                |
| C112308       | h*mol/L/kg             |               | Hours times moles per liter (area under the curve), divided by kilograms (weight).  | Hour Times Mole Per Liter Per Kilogram                            |
| C111223       | h*mol/L/m2             |               | Hours times moles per liter (area under the curve), divided by meters squared (surface area).   | Hour Times Mole per Liter per Meter Squared                       |
| C85624        | h*ng/mL                |               | Hours times nanograms per milliliter (area under the curve).  | Hour Times Nanogram per Milliliter                                |
| C111224       | h*ng/mL/(kg/m2)        |               | Hours times nanograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Hour Times Nanogram per Milliliter per Kilogram per Meter Squared |
| C117926       | h*ng/mL/(mg/g)         |               | Hours times nanograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Hour Times Nanogram Per Milliliter Per Milligram Per Gram         |
| C117927       | h*ng/mL/(mg/g/day)     |               | Hours times nanograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Hour Times Nanogram Per Milliliter Per Milligram Per Gram Per Day |

| C85494 PKUNIT |                        |   |   |   |
|---------------|------------------------|---|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym                               | CDISC Definition  | NCI Preferred Term  |
| C85628        | h*ng/mL/(mg/kg)        | h*ng/mL/(ug/g)                              | Hours times nanograms per milliliter (area under the curve), divided by milligrams per kilogram (dose normalized by body weight).               | Hour Times Nanogram per Milliliter per Milligram per Kilogram         |
| C105470       | h*ng/mL/(mg/kg/day)    | h*ng/mL/(ug/g/day)                          | Hours times nanograms per milliliter (area under the curve), divided by milligrams per kilogram per day (daily dose normalized by body weight). | Hour Times Nanogram Per Milliliter Per Milligram Per Kilogram Per Day |
| C85629        | h*ng/mL/(mg/m2)        |   | Hours times nanograms per milliliter (area under the curve), divided by milligrams per meter squared (dose normalized by surface area).         | Hour Times Nanogram per Milliliter per Milligram per Meter Squared    |
| C85625        | h*ng/mL/g              |   | Hours times nanograms per milliliter (area under the curve), divided by grams (weight).   | Hour Times Nanogram per Milliliter per Gram                           |
| C85626        | h*ng/mL/kg             |   | Hours times nanograms per milliliter (area under the curve), divided by kilograms (weight).   | Hour Times Nanogram per Milliliter per Kilogram                       |
| C111225       | h*ng/mL/m2             |   | Hours times nanograms per milliliter (area under the curve), divided by meters squared (surface area).  | Hour Times Nanogram per Milliliter per Meter Squared                  |
| C85627        | h*ng/mL/mg             | h*ng/mL/mg;h*ng/mg/mL;ng*h/mL/mg;ng*h/mg/mL | Hours times nanograms per milliliter (area under the curve), divided by milligrams (dose).  | Hour Times Nanogram per Milliliter per Milligram                      |
| C85640        | h*nmol/L               |   | Hours times nanomoles per liter (area under the curve).   | Hour Times Picomole per Milliliter                                    |
| C111226       | h*nmol/L/(kg/m2)       |   | Hours times nanomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                               | Hour Times Nanomole per Liter per Kilogram per Meter Squared          |
| C117928       | h*nmol/L/(mg/g)        |   | Hours times nanomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Hour Times Nanomole Per Liter Per Milligram Per Gram                  |
| C117929       | h*nmol/L/(mg/g/day)    |   | Hours times nanomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Hour Times Nanomole Per Liter Per Milligram Per Gram Per Day          |
| C116062       | h*nmol/L/g             |   | Hours times nanomoles per liter (area under the curve), divided by grams (dose or weight).  | Hour Times Nanomole per Liter per Gram                                |
| C112309       | h*nmol/L/kg            |   | Hours times nanomoles per liter (area under the curve), divided by kilograms (weight).  | Hour Times Nanomole Per Liter Per Kilogram                            |
| C111227       | h*nmol/L/m2            |   | Hours times nanomoles per liter (area under the curve), divided by meters squared (surface area).   | Hour Times Nanomole per Liter per Meter Squared                       |
| C85635        | h*pg/mL                |   | Hours times picograms per milliliter (area under the curve).  | Hour Times Picogram per Milliliter                                    |
| C111228       | h*pg/mL/(kg/m2)        |   | Hours times picograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                          | Hour Times Picogram per Milliliter per Kilogram per Meter Squared     |
| C117930       | h*pg/mL/(mg/g)         |   | Hours times picograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                   | Hour Times Picogram Per Milliliter Per Milligram Per Gram             |

| C85494 PKUNIT |                        |   |   |   |
|---------------|------------------------|---|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym                               | CDISC Definition  | NCI Preferred Term  |
| C117931       | h*pg/mL/(mg/g/day)     |   | Hours times picograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).     | Hour Times Picogram Per Milliliter Per Milligram Per Gram Per Day     |
| C105471       | h*pg/mL/(mg/kg)        | h*pg/mL/(ug/g)                              | Hours times picograms per milliliter (area under the curve), divided by milligrams per kilogram (dose normalized by body weight).               | Hour Times Picogram Per Milliliter Per Milligram Per Kilogram         |
| C105472       | h*pg/mL/(mg/kg/day)    | h*pg/mL/(ug/g/day)                          | Hours times picograms per milliliter (area under the curve), divided by milligrams per kilogram per day (daily dose normalized by body weight). | Hour Times Picogram Per Milliliter Per Milligram Per Kilogram Per Day |
| C112310       | h*pg/mL/g              |   | Hours times picograms per milliliter (area under the curve), divided by grams (weight).   | Hour Times Picogram Per Milliliter Per Gram                           |
| C85636        | h*pg/mL/kg             |   | Hours times picograms per milliliter (area under the curve), divided by kilograms (weight).   | Hour Times Picogram per Milliliter per Kilogram                       |
| C111229       | h*pg/mL/m2             |   | Hours times picograms per milliliter (area under the curve), divided by meters squared (surface area).  | Hour Times Picogram per Milliliter per Meter Squared                  |
| C85638        | h*pg/mL/mg             | h*pg/mL/mg;h*pg/mg/mL;pg*h/mL/mg;pg*h/mg/mL | Hours times picograms per milliliter (area under the curve), divided by milligrams (dose).  | Hour Times Picogram per Milliliter per Milligram                      |
| C85612        | h*pmol/L               |   | Hours times picomoles per liter (area under the curve).   | Hour Times Femtomole per Milliliter                                   |
| C111230       | h*pmol/L/(kg/m2)       |   | Hours times picomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                               | Hour Times Picomole per Liter per Kilogram per Meter Squared          |
| C117932       | h*pmol/L/(mg/g)        |   | Hours times picomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Hour Times Picomole Per Liter Per Milligram Per Gram                  |
| C117933       | h*pmol/L/(mg/g/day)    |   | Hours times picomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Hour Times Picomole Per Liter Per Milligram Per Gram Per Day          |
| C106532       | h*pmol/L/g             |   | Hours times picomoles per liter (area under the curve), divided by grams (weight).  | Hour times Picomole Per Liter Per Gram                                |
| C112311       | h*pmol/L/kg            |   | Hours times picomoles per liter (area under the curve), divided by kilograms (weight).  | Hour Times Picomole Per Liter Per Kilogram                            |
| C111231       | h*pmol/L/m2            |   | Hours times picomoles per liter (area under the curve), divided by meters squared (surface area).   | Hour Times Picomole per Liter per Meter Squared                       |
| C85615        | h*ug/mL                |   | Hours times micrograms per milliliter (area under the curve).   | Hour Times Microgram per Milliliter                                   |
| C111214       | h*ug/mL/(kg/m2)        |   | Hours times micrograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                         | Hour Times Microgram per Milliliter per Kilogram per Meter Squared    |
| C117934       | h*ug/mL/(mg/g)         |   | Hours times micrograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                  | Hour Times Microgram Per Milliliter Per Milligram Per Gram            |

| C85494 PKUNIT |                        |  |  |  |
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| NCI Code      | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term   |
| C117935       | h*ug/mL/(mg/g/day)     |  | Hours times micrograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).     | Hour Times Microgram Per Milliliter Per Milligram Per Gram Per Day     |
| C105466       | h*ug/mL/(mg/kg)        | h*ug/mL/(ug/g)                               | Hours times micrograms per milliliter (area under the curve), divided by milligrams per kilogram (dose normalized by body weight).               | Hour Times Microgram Per Milliliter Per Milligram Per Kilogram         |
| C105467       | h*ug/mL/(mg/kg/day)    | h*ug/mL/(ug/g/day)                           | Hours times micrograms per milliliter (area under the curve), divided by milligrams per kilogram per day (daily dose normalized by body weight). | Hour Times Microgram Per Milliliter Per Milligram Per Kilogram Per Day |
| C112302       | h*ug/mL/g              |  | Hours times micrograms per milliliter (area under the curve), divided by grams (weight).   | Hour Times Microgram Per Milliliter Per Gram                           |
| C112303       | h*ug/mL/kg             |  | Hours times micrograms per milliliter (area under the curve), divided by kilograms (weight).   | Hour Times Microgram Per Milliliter Per Kilogram                       |
| C111215       | h*ug/mL/m2             |  | Hours times micrograms per milliliter (area under the curve), divided by meters squared (surface area).  | Hour Times Microgram per Milliliter per Meter Squared                  |
| C85617        | h*ug/mL/mg             | h*mcg/mL/mg;h*ug/mg/mL;ug*h/mL/mg;ug*h/mg/mL | Hours times micrograms per milliliter (area under the curve), divided by milligrams (dose).  | Hour Times Microgram per Milliliter per Milligram                      |
| C85632        | h*umol/L               |  | Hours times micromoles per liter (area under the curve).   | Hour Times Nanomole per Milliliter                                     |
| C111216       | h*umol/L/(kg/m2)       |  | Hours times micromoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                               | Hour Times Micromole per Liter per Kilogram per Meter Squared          |
| C117936       | h*umol/L/(mg/g)        |  | Hours times micromoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Hour Times Micromole Per Liter Per Milligram Per Gram                  |
| C117937       | h*umol/L/(mg/g/day)    |  | Hours times micromoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Hour Times Micromole Per Liter Per Milligram Per Gram Per Day          |
| C116063       | h*umol/L/g             |  | Hours times micromoles per liter (area under the curve), divided by grams (dose or weight).  | Hour Times Micromole per liter per Gram                                |
| C112304       | h*umol/L/kg            |  | Hours times micromoles per liter (area under the curve), divided by kilograms (weight).  | Hour Times Micromole Per Liter Per Kilogram                            |
| C111217       | h*umol/L/m2            |  | Hours times micromoles per liter (area under the curve), divided by meters squared (surface area).   | Hour Times Micromole per Liter per Meter Squared                       |
| C85606        | h2*mg/mL               | h*h*mg/mL;h2*g/L;h2*ug/uL;h^2*mg/mL;mg*h2/mL | Hours squared times milligrams per milliliter.   | Hour Squared Times Milligram per Milliliter                            |
| C85605        | h2*mmol/L              |  | Hours squared times millimoles per liter (area under the moment curve).  | Hour Squared Times Micromole per Milliliter                            |
| C85607        | h2*mol/L               |  | Hours squared times moles per liter (area under the moment curve).   | Hour Squared Times Millimole per Milliliter                            |
| C85608        | h2*ng/mL               | h*h*ng/mL;h2*ug/L;h^2*ng/mL;ng*h2/mL         | Hours squared times nanograms per milliliter.  | Hour Squared Times Nanogram per Milliliter                             |
| C85610        | h2*nmol/L              |  | Hours squared times nanomoles per liter (area under the moment curve).   | Hour Squared Times Picomole per Milliliter                             |

| C85494 PKUNIT |                        |   |  |   |
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| NCI Code      | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term  |
| C85609        | h2*pg/mL               | h*h*pg/mL;h2*ng/L;h^2*pg/mL;pg*h2/mL  | Hours squared times picogram per milliliter.   | Hour Squared Times Picogram per Milliliter                                |
| C106529       | h2*pmol/L              |   | Hours squared times picomoles per liter (area under the moment curve).   | Hour Squared Times Picomole Per Liter                                     |
| C85604        | h2*ug/mL               | h*h*ug/mL;h2*mcg/mL;h2*mg/L;h^2*ug/mL;ug*h2/mL                                  | Hours squared times micrograms per milliliter.   | Hour Squared Times Microgram per Milliliter                               |
| C106528       | h2*umol/L              |   | Hours squared times micromoles per liter (area under the moment curve).  | Hour Squared Times Micromole Per Liter                                    |
| C85645        | IU/day                 | IU/d  | International units per day.   | International Unit per Day  |
| C85646        | IU/h                   | IU/h  | A unit of substance (biologic activity) flow rate equal to one international unit per hour.  | International Unit per Hour   |
| C85647        | IU/min                 | IU/min  | A unit of substance (biologic activity) flow rate equal to one international unit per minute.  | International Unit per Minute   |
| C67377        | IU/mL                  | IE/mL;International Unit per Milliliter;Kilo International Unit per Liter;kIU/L | A unit of concentration (biologic activity) equal to one international unit of substance per milliliter of solution.                         | International Unit per Milliliter   |
| C119366       | IU/mL/(kg/m2)          |   | International units per milliliter (concentration), divided by kilograms per meter squared (body mass index).                                | International Unit per Milliliter per Kilogram per Meter Squared          |
| C119367       | IU/mL/(mg/day)         |   | International units per milliliter (concentration), divided by milligrams per day (daily dose).  | International Unit per Milliliter per Milligram per Day                   |
| C119368       | IU/mL/(mg/kg)          |   | International units per milliliter (concentration), divided by milligrams per kilogram.  | International Unit per Milliliter per Milligram per Kilogram              |
| C119369       | IU/mL/(mg/kg/day)      |   | International units per milliliter (concentration), divided by milligrams per kilogram per day.  | International Unit per Milliliter per Milligram per Kilogram per Day      |
| C119370       | IU/mL/(mg/m2)          |   | International units per milliliter (concentration), divided by milligrams per meter squared.   | International Unit per Milliliter per Milligram per Meter Squared         |
| C119371       | IU/mL/(mg/m2/day)      |   | International units per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area). | International Unit per Milliliter per Milligram per Meter Squared per Day |
| C119372       | IU/mL/(ug/day)         |   | International units per milliliter (concentration), divided by micrograms per day (daily dose).  | International Unit per Milliliter per Microgram per Day                   |
| C119373       | IU/mL/(ug/kg)          |   | International units per milliliter (concentration), divided by micrograms per kilogram.  | International Unit per Milliliter per Microgram per Kilogram              |
| C119374       | IU/mL/(ug/kg/day)      |   | International units per milliliter (concentration), divided by micrograms per kilogram per day.  | International Unit per Milliliter per Microgram per Kilogram per Day      |
| C119375       | IU/mL/(ug/m2)          |   | International units per milliliter (concentration), divided by micrograms per meter squared.   | International Unit per Milliliter per Microgram per Meter Squared         |
| C119376       | IU/mL/(ug/m2/day)      |   | International units per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area). | International Unit per Milliliter per Microgram per Meter Squared per Day |
| C119377       | IU/mL/g                |   | International units per milliliter (concentration), divided by grams (weight).   | International Unit per Milliliter per Gram                                |

| C85494 PKUNIT |                        |               |  |   |
|---------------|------------------------|---------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term                                  |
| C119378       | IU/mL/kg               |               | International units per milliliter (concentration), divided by kilograms (weight).   | International Unit per Milliliter per Kilogram      |
| C119379       | IU/mL/m2               |               | International units per milliliter (concentration), divided by meters squared (surface area).  | International Unit per Milliliter per Meter Squared |
| C119380       | IU/mL/mg               |               | International units per milliliter (concentration), divided by milligrams (dose).  | International Unit per Milliliter per Milligram     |
| C119381       | IU/mL/ug               |               | International units per milliliter (concentration), divided by micrograms (dose).  | International Unit per Milliliter per Microgram     |
| C48505        | L                      | Liter         | A unit of volume equal to a cubic decimeter, or one thousandth of cubic meter, or 1000 cubic centimeters, or approximately 61.023 744 cubic inches.(NCI) | Liter   |
| C120806       | L/(kg/m2)              |               | Liters (volume), divided by kilograms per meter squared (body mass index).   | Liter per Kilogram per Meter Squared                |
| C123561       | L/(mg/day)             | mL/(ug/day)   | Liters (volume), divided by milligrams per day (daily dose).   | Liter Divided by Milligram Per Day                  |
| C120807       | L/(mg/kg)              |               | Liters (volume), divided by milligrams per kilogram (dose normalized by body weight).  | Liter per Milligram per Kilogram                    |
| C120808       | L/(mg/kg/day)          |               | Liters (volume), divided by milligrams per kilogram per day (daily dose normalized by body weight).  | Liter per Milligram per Kilogram per Day            |
| C123562       | L/(mg/m2)              | mL/(ug/m2)    | Liters (volume), divided by milligrams per meter squared (dose normalized by surface area).  | Liter Divided by Milligram per Meter Squared        |
| C120809       | L/(mg/m2/day)          |               | Liters (volume), divided by milligrams per meter squared per day (daily dose normalized by surface area).  | Liter per Milligram per Meter Squared per Day       |
| C123563       | L/(ug/day)             |               | Liters (volume), divided by micrograms per day (daily dose).   | Liter Divided by Microgram per Day                  |
| C120810       | L/(ug/kg)              |               | Liters (volume), divided by micrograms per kilogram (dose normalized by body weight).  | Liter per Microgram per Kilogram                    |
| C120811       | L/(ug/kg/day)          |               | Liters (volume), divided by micrograms per kilogram per day (daily dose normalized by body weight).  | Liter per Microgram per Kilogram per Day            |
| C120812       | L/(ug/m2)              |               | Liters (volume), divided by micrograms per meter squared (dose normalized by surface area).  | Liter per Microgram per Meter Squared               |
| C120813       | L/(ug/m2/day)          |               | Liters (volume), divided by micrograms per meter squared per day (daily dose normalized by surface area).  | Liter per Microgram per Meter Squared per Day       |
| C69110        | L/day                  |               | A unit of flow rate, defined as a rate of one liter per day.   | Liter per Day                                       |
| C124416       | L/g                    | mL/mg         | Liters (volume), divided by grams (weight) or milliliters (volume), divided by milligrams (dose).  | Liter per Gram                                      |
| C69160        | L/h                    |               | A unit of flow rate, defined as a rate of one liter per hour.  | Liter per Hour                                      |
| C73725        | L/kg                   |               | Liters (volume) divided by kilograms (weight).   | Liter per Kilogram                                  |

| C85494 PKUNIT |                        |   |  |  |
|---------------|------------------------|---|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term   |
| C120814       | L/m2                   |   | Liters (volume), divided by meters squared (surface area).   | Liter per Meter Squared  |
| C124417       | L/mg                   | mL/ug   | Liters (volume), divided by milligrams (dose) or milliliters (volume), divided by micrograms (dose).   | Liter per Milligram  |
| C67388        | L/min                  |   | A unit of flow rate, defined as a rate of one liter per minute.  | Liter per Minute   |
| C120815       | L/ug                   |   | Liters (volume), divided by micrograms (dose).   | Liter per Microgram  |
| C28253        | mg                     | Milligram   | The unit of mass equal to one thousandth of a gram or 1000 micrograms. One milligram equals approximately 0.015432 grain or 35.274 x 10E-6 ounce.(NCI)                       | Milligram  |
| C67399        | mg/day                 | Milligram per Day   | A unit of measure referring to the ratio between mass expressed in milligrams per day.(NCI)  | Milligram per 24 Hours   |
| C66969        | mg/h                   | Milligram per Hour  | A unit of mass flow rate equivalent to the rate at which one thousandth of a gram of matter travels to a given object or space over a period of time equal to one hour.(NCI) | Milligram per Hour   |
| C73742        | mg/min                 | Milligram per Minute  | Milligrams per minute.   | Milligram per Minute   |
| C42576        | mg/mL                  | Gram per Liter;Kilogram per Cubic Meter;Microgram per Microliter;Milligram per Milliliter;g/L;kg/m3;mg/mL;ug/uL | A unit of concentration or mass density equal to one milligram of substance per milliliter of solution or one gram of substance per liter of solution.                       | Kilogram per Cubic Meter   |
| C119382       | mg/mL/(kg/m2)          |   | Milligrams per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Milligram per Milliliter per Kilogram per Meter Squared          |
| C119383       | mg/mL/(mg/day)         |   | Milligrams per milliliter (concentration), divided by milligrams per day (daily dose).   | Milligram per Milliliter per Milligram per Day                   |
| C105475       | mg/mL/(mg/kg)          |   | Milligrams per milliliter (concentration), divided by milligrams per kilogram (dose normalized by body weight).  | Milligram Per Milliliter Per Milligram Per Kilogram              |
| C105476       | mg/mL/(mg/kg/day)      |   | Milligrams per milliliter (concentration), divided by milligrams per kilogram per day (daily dose normalized by body weight).  | Milligram Per Milliliter Per Milligram Per Kilogram Per Day      |
| C119384       | mg/mL/(mg/m2)          |   | Milligrams per milliliter (concentration), divided by milligrams per meter squared.  | Milligram per Milliliter per Milligram per Meter Squared         |
| C119385       | mg/mL/(mg/m2/day)      |   | Milligrams per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).  | Milligram per Milliliter per Milligram per Meter Squared per Day |
| C119386       | mg/mL/(ug/day)         |   | Milligrams per milliliter (concentration), divided by micrograms per day (daily dose).   | Milligram per Milliliter per Microgram per Day                   |
| C119387       | mg/mL/(ug/kg)          |   | Milligrams per milliliter (concentration), divided by micrograms per kilogram.   | Milligram per Milliliter per Microgram per Kilogram              |
| C119388       | mg/mL/(ug/kg/day)      |   | Milligrams per milliliter (concentration), divided by micrograms per kilogram per day.   | Milligram per Milliliter per Microgram per Kilogram per Day      |



| C85494 PKUNIT |                        |                     |  |  |
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| NCI Code      | CDISC Submission Value | CDISC Synonym       | CDISC Definition   | NCI Preferred Term   |
| C119389       | mg/mL/(ug/m2)          | Minute Unit of Time | Milligrams per milliliter (concentration), divided by micrograms per meter squared.  | Milligram per Milliliter per Microgram per Meter Squared             |
| C119390       | mg/mL/(ug/m2/day)      |                     | Milligrams per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).            | Milligram per Milliliter per Microgram per Meter Squared per Day     |
| C119391       | mg/mL/g                |                     | Milligrams per milliliter (concentration), divided by grams (weight).  | Milligram per Milliliter per Gram                                    |
| C119392       | mg/mL/kg               |                     | Milligrams per milliliter (concentration), divided by kilograms (weight).  | Milligram per Milliliter per Kilogram                                |
| C119393       | mg/mL/m2               |                     | Milligrams per milliliter (concentration), divided by meters squared (surface area).   | Milligram per Milliliter per Meter Squared                           |
| C119394       | mg/mL/mg               |                     | Milligrams per milliliter (concentration), divided by milligrams (dose).   | Milligram per Milliliter per Milligram                               |
| C119395       | mg/mL/ug               |                     | Milligrams per milliliter (concentration), divided by micrograms (dose).   | Milligram per Milliliter per Microgram                               |
| C48154        | min                    |                     | A unit measure of time equal to 60 seconds.(NCI)   | Minute   |
| C85724        | min*fg/mL              |                     | Minutes times femtograms per milliliter (area under the curve).  | Minute Times Femtogram per Milliliter                                |
| C111254       | min*fg/mL/(kg/m2)      |                     | Minutes times femtograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Minute Times Femtogram per Milliliter per Kilogram per Meter Squared |
| C117938       | min*fg/mL/(mg/g)       |                     | Minutes times femtograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Minute Times Femtogram Per Milliliter Per Milligram Per Gram         |
| C117939       | min*fg/mL/(mg/g/day)   |                     | Minutes times femtograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Minute Times Femtogram Per Milliliter Per Milligram Per Gram Per Day |
| C112334       | min*fg/mL/g            |                     | Minutes times femtograms per milliliter (area under the curve), divided by grams (weight).   | Minute Times Femtogram Per Milliliter Per Gram                       |
| C112335       | min*fg/mL/kg           |                     | Minutes times femtograms per milliliter (area under the curve), divided by kilograms (weight).   | Minute Times Femtogram Per Milliliter Per Kilogram                   |
| C111255       | min*fg/mL/m2           |                     | Minutes times femtograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Minute Times Femtogram per Milliliter per Meter Squared              |
| C85725        | min*g/mL               |                     | Minutes times grams per milliliter (area under the curve).   | Minute Times Gram per Milliliter                                     |
| C111256       | min*g/mL/(kg/m2)       |                     | Minutes times grams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Minute Times Gram per Milliliter per Kilogram per Meter Squared      |
| C117940       | min*g/mL/(mg/g)        |                     | Minutes times grams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Minute Times gram Per Milliliter Per Milligram Per Gram              |

| C85494 PKUNIT |                        |               |  |  |
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| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term   |
| C117941       | min*g/mL/(mg/g/day)    |               | Minutes times grams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Minute Times gram Per Milliliter Per Milligram Per Gram Per Day      |
| C112336       | min*g/mL/g             |               | Minutes times grams per milliliter (area under the curve), divided by grams (weight).  | Minute Times Gram Per Milliliter Per Gram                            |
| C112337       | min*g/mL/kg            |               | Minutes times grams per milliliter (area under the curve), divided by kilograms (weight).  | Minute Times Gram Per Milliliter Per Kilogram                        |
| C111257       | min*g/mL/m2            |               | Minutes times grams per milliliter (area under the curve), divided by meters squared (surface area).   | Minute Times Gram per Milliliter per Meter Squared                   |
| C85729        | min*mg/mL              |               | Minutes times milligrams per milliliter (area under the curve).  | Minute Times Milligram per Milliliter                                |
| C111262       | min*mg/mL/(kg/m2)      |               | Minutes times milligrams per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Minute Times Milligram per Milliliter per Kilogram per Meter Squared |
| C117942       | min*mg/mL/(mg/g)       |               | Minutes times milligrams per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Minute Times Milligram Per Milliliter Per Milligram Per Gram         |
| C117943       | min*mg/mL/(mg/g/day)   |               | Minutes times milligrams per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Minute Times Milligram Per Milliliter Per Milligram Per Gram Per Day |
| C112342       | min*mg/mL/g            |               | Minutes times milligrams per milliliter (area under the curve), divided by grams (weight).   | Minute Times Milligram Per Milliliter Per Gram                       |
| C112343       | min*mg/mL/kg           |               | Minutes times milligrams per milliliter (area under the curve), divided by kilograms (weight).   | Minute Times Milligram Per Milliliter Per Kilogram                   |
| C111263       | min*mg/mL/m2           |               | Minutes times milligrams per milliliter (area under the curve), divided by meters squared (surface area).                                      | Minute Times Milligram per Milliliter per Meter Squared              |
| C85728        | min*mmol/L             |               | Minutes times millimoles per liter (area under the curve).   | Minute Times Micromole per Milliliter                                |
| C111264       | min*mmol/L/(kg/m2)     |               | Minutes times millimoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Minute Times Millimole per Liter per Kilogram per Meter Squared      |
| C117944       | min*mmol/L/(mg/g)      |               | Minutes times millimoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Minute Times Millimole Per Liter Per Milligram Per Gram              |
| C117945       | min*mmol/L/(mg/g/day)  |               | Minutes times millimoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Minute Times Millimole Per Liter Per Milligram Per Gram Per Day      |
| C112344       | min*mmol/L/g           |               | Minutes times millimoles per liter (area under the curve), divided by grams (weight).  | Minute Times Millimole Per Liter Per Gram                            |
| C112345       | min*mmol/L/kg          |               | Minutes times millimoles per liter (area under the curve), divided by kilograms (weight).  | Minute Times Millimole Per Liter Per Kilogram                        |
| C111265       | min*mmol/L/m2          |               | Minutes times millimoles per liter (area under the curve), divided by meters squared (surface area).   | Minute Times Millimole per Liter per Meter Squared                   |

| C85494 PKUNIT |                        |               |   |   |
|---------------|------------------------|---------------|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term  |
| C85730        | min*mol/L              |               | Minutes times moles per liter (area under the curve).   | Minute Times Millimole per Milliliter                               |
| C111266       | min*mol/L/(kg/m2)      |               | Minutes times moles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                               | Minute Times Mole per Liter per Kilogram per Meter Squared          |
| C117946       | min*mol/L/(mg/g)       |               | Minutes times moles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                        | Minute Times mole Per Liter Per Milligram Per Gram                  |
| C117947       | min*mol/L/(mg/g/day)   |               | Minutes times moles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).          | Minute Times mole Per Liter Per Milligram Per Gram Per Day          |
| C112346       | min*mol/L/g            |               | Minutes times moles per liter (area under the curve), divided by grams (weight).  | Minute Times Mole Per Liter Per Gram                                |
| C112347       | min*mol/L/kg           |               | Minutes times moles per liter (area under the curve), divided by kilograms (weight).  | Minute Times Mole Per Liter Per Kilogram                            |
| C111267       | min*mol/L/m2           |               | Minutes times moles per liter (area under the curve), divided by meters squared (surface area).   | Minute Times Mole per Liter per Meter Squared                       |
| C85732        | min*ng/mL              |               | Minutes times nanograms per milliliter (area under the curve).  | Minute Times Nanogram per Milliliter                                |
| C111268       | min*ng/mL/(kg/m2)      |               | Minutes times nanograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Minute Times Nanogram per Milliliter per Kilogram per Meter Squared |
| C117948       | min*ng/mL/(mg/g)       |               | Minutes times nanograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Minute Times Nanogram Per Milliliter Per Milligram Per Gram         |
| C117949       | min*ng/mL/(mg/g/day)   |               | Minutes times nanograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Minute Times Nanogram Per Milliliter Per Milligram Per Gram Per Day |
| C112348       | min*ng/mL/g            |               | Minutes times nanograms per milliliter (area under the curve), divided by grams (weight).   | Minute Times Nanogram Per Milliliter Per Gram                       |
| C112349       | min*ng/mL/kg           |               | Minutes times nanograms per milliliter (area under the curve), divided by kilograms (weight).   | Minute Times Nanogram Per Milliliter Per Kilogram                   |
| C111269       | min*ng/mL/m2           |               | Minutes times nanograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Minute Times Nanogram per Milliliter per Meter Squared              |
| C85735        | min*nmol/L             |               | Minutes times nanomoles per liter (area under the curve).   | Minute Times Picomole per Milliliter                                |
| C111270       | min*nmol/L/(kg/m2)     |               | Minutes times nanomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Minute Times Nanomole per Liter per Kilogram per Meter Squared      |
| C117950       | min*nmol/L/(mg/g)      |               | Minutes times nanomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Minute Times Nanomole Per Liter Per Milligram Per Gram              |
| C117951       | min*nmol/L/(mg/g/day)  |               | Minutes times nanomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Minute Times Nanomole Per Liter Per Milligram Per Gram Per Day      |

| C85494 PKUNIT |                        |               |   |   |
|---------------|------------------------|---------------|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term  |
| C112350       | min*nmol/L/g           |               | Minutes times nanomoles per liter (area under the curve), divided by grams (weight).  | Minute Times Nanomole Per Liter Per Gram                            |
| C112351       | min*nmol/L/kg          |               | Minutes times nanomoles per liter (area under the curve), divided by kilograms (weight).  | Minute Times Nanomole Per Liter Per Kilogram                        |
| C111271       | min*nmol/L/m2          |               | Minutes times nanomoles per liter (area under the curve), divided by meters squared (surface area).   | Minute Times Nanomole per Liter per Meter Squared                   |
| C85734        | min*pg/mL              |               | Minutes times picograms per milliliter (area under the curve).  | Minute Times Picogram per Milliliter                                |
| C111272       | min*pg/mL/(kg/m2)      |               | Minutes times picograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).                      | Minute Times Picogram per Milliliter per Kilogram per Meter Squared |
| C117952       | min*pg/mL/(mg/g)       |               | Minutes times picograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).               | Minute Times Picogram Per Milliliter Per Milligram Per Gram         |
| C117953       | min*pg/mL/(mg/g/day)   |               | Minutes times picograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight). | Minute Times Picogram Per Milliliter Per Milligram Per Gram Per Day |
| C112352       | min*pg/mL/g            |               | Minutes times picograms per milliliter (area under the curve), divided by grams (weight).   | Minute Times Picogram Per Milliliter Per Gram                       |
| C112353       | min*pg/mL/kg           |               | Minutes times picograms per milliliter (area under the curve), divided by kilograms (weight).   | Minute Times Picogram Per Milliliter Per Kilogram                   |
| C111273       | min*pg/mL/m2           |               | Minutes times picograms per milliliter (area under the curve), divided by meters squared (surface area).                                      | Minute Times Picogram per Milliliter per Meter Squared              |
| C106543       | min*pmol/L             |               | Minutes times picomoles per liter (area under the curve).   | Minute Times Picomole Per Liter                                     |
| C111274       | min*pmol/L/(kg/m2)     |               | Minutes times picomoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).                           | Minute Times Picomole per Liter per Kilogram per Meter Squared      |
| C117954       | min*pmol/L/(mg/g)      |               | Minutes times picomoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).                    | Minute Times Picomole Per Liter Per Milligram Per Gram              |
| C117955       | min*pmol/L/(mg/g/day)  |               | Minutes times picomoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).      | Minute Times Picomole Per Liter Per Milligram Per Gram Per Day      |
| C112354       | min*pmol/L/g           |               | Minutes times picomoles per liter (area under the curve), divided by grams (weight).  | Minute Times Picomole Per Liter Per Gram                            |
| C112355       | min*pmol/L/kg          |               | Minutes times picomoles per liter (area under the curve), divided by kilograms (weight).  | Minute Times Picomole Per Liter Per Kilogram                        |
| C111275       | min*pmol/L/m2          |               | Minutes times picomoles per liter (area under the curve), divided by meters squared (surface area).   | Minute Times Picomole per Liter per Meter Squared                   |
| C85727        | min*ug/mL              |               | Minutes times micrograms per milliliter (area under the curve).   | Minute Times Microgram per Milliliter                               |

| C85494 PKUNIT |                        |   |   |  |
|---------------|------------------------|---|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym                                 | CDISC Definition  | NCI Preferred Term   |
| C111258       | min*ug/mL/(kg/m2)      |   | Minutes times micrograms per milliliter (area under the curve), divided by kilograms per meter squared (body mass index).   | Minute Times Microgram per Milliliter per Kilogram per Meter Squared   |
| C117956       | min*ug/mL/(mg/g)       |   | Minutes times micrograms per milliliter (area under the curve), divided by milligrams per gram (dose normalized by body weight).  | Minute Times Microgram Per Milliliter Per Milligram Per Gram           |
| C117957       | min*ug/mL/(mg/g/day)   |   | Minutes times micrograms per milliliter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).  | Minute Times Microgram Per Milliliter Per Milligram Per Gram Per Day   |
| C112338       | min*ug/mL/g            |   | Minutes times micrograms per milliliter (area under the curve), divided by grams (weight).  | Minute Times Microgram Per Milliliter Per Gram                         |
| C112339       | min*ug/mL/kg           |   | Minutes times micrograms per milliliter (area under the curve), divided by kilograms (weight).  | Minute Times Microgram Per Milliliter Per Kilogram                     |
| C111259       | min*ug/mL/m2           |   | Minutes times micrograms per milliliter (area under the curve), divided by meters squared (surface area).   | Minute Times Microgram per Milliliter per Meter Squared                |
| C85733        | min*umol/L             |   | Minutes times micromoles per liter (area under the curve).  | Minute Times Nanomole per Milliliter                                   |
| C111260       | min*umol/L/(kg/m2)     |   | Minutes times micromoles per liter (area under the curve), divided by kilograms per meter squared (body mass index).  | Minute Times Micromole per Liter per Kilogram per Meter Squared        |
| C117958       | min*umol/L/(mg/g)      |   | Minutes times micromoles per liter (area under the curve), divided by milligrams per gram (dose normalized by body weight).   | Minute Times Micromole Per Liter Per Milligram Per Gram                |
| C117959       | min*umol/L/(mg/g/day)  |   | Minutes times micromoles per liter (area under the curve), divided by milligrams per gram per day (daily dose normalized by body weight).   | Minute Times Micromole Per Liter Per Milligram Per Gram Per Day        |
| C112340       | min*umol/L/g           |   | Minutes times micromoles per liter (area under the curve), divided by grams (weight).   | Minute Times Micromole Per Liter Per Gram                              |
| C112341       | min*umol/L/kg          |   | Minutes times micromoles per liter (area under the curve), divided by kilograms (weight).   | Minute Times Micromole Per Liter Per Kilogram                          |
| C111261       | min*umol/L/m2          |   | Minutes times micromoles per liter (area under the curve), divided by meters squared (surface area).  | Minute Times Micromole per Liter per Meter Squared                     |
| C67376        | mIU/mL                 | IE/L;IU/L;International Unit per Liter;mIU/mL | A unit of concentration (biologic activity) equal to one milli-international unit of substance per milliliter of solution or one international unit of substance per liter of solution. | International Unit per Liter   |
| C119396       | mIU/mL/(kg/m2)         |   | Milli-international units per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Milli-International Unit per Milliliter per Kilogram per Meter Squared |
| C119397       | mIU/mL/(mg/day)        |   | Milli-international units per milliliter (concentration), divided by milligrams per day (daily dose).   | Milli-International Unit per Milliliter per Milligram per Day          |
| C119398       | mIU/mL/(mg/kg)         |   | Milli-international units per milliliter (concentration), divided by milligrams per kilogram.   | Milli-International Unit per Milliliter per Milligram per Kilogram     |

| C85494 PKUNIT |                        |                |  |   |
|---------------|------------------------|----------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C119399       | mIU/mL/(mg/kg/day)     |                | Milli-international units per milliliter (concentration), divided by milligrams per kilogram per day.  | Milli-International Unit per Milliliter per Milligram per Kilogram per Day      |
| C119400       | mIU/mL/(mg/m2)         |                | Milli-international units per milliliter (concentration), divided by milligrams per meter squared.   | Milli-International Unit per Milliliter per Milligram per Meter Squared         |
| C119401       | mIU/mL/(mg/m2/day)     |                | Milli-international units per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Milli-International Unit per Milliliter per Milligram per Meter Squared per Day |
| C119402       | mIU/mL/(ug/day)        |                | Milli-international units per milliliter (concentration), divided by micrograms per day (daily dose).  | Milli-International Unit per Milliliter per Microgram per Day                   |
| C119403       | mIU/mL/(ug/kg)         |                | Milli-international units per milliliter (concentration), divided by micrograms per kilogram.  | Milli-International Unit per Milliliter per Microgram per Kilogram              |
| C119404       | mIU/mL/(ug/kg/day)     |                | Milli-international units per milliliter (concentration), divided by micrograms per kilogram per day.  | Milli-International Unit per Milliliter per Microgram per Kilogram per Day      |
| C119405       | mIU/mL/(ug/m2)         |                | Milli-international units per milliliter (concentration), divided by micrograms per meter squared.   | Milli-International Unit per Milliliter per Microgram per Meter Squared         |
| C119406       | mIU/mL/(ug/m2/day)     |                | Milli-international units per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Milli-International Unit per Milliliter per Microgram per Meter Squared per Day |
| C119407       | mIU/mL/g               |                | Milli-international units per milliliter (concentration), divided by grams (weight).   | Milli-International Unit per Milliliter per Gram                                |
| C119408       | mIU/mL/kg              |                | Milli-international units per milliliter (concentration), divided by kilograms (weight).   | Milli-International Unit per Milliliter per Kilogram                            |
| C119409       | mIU/mL/m2              |                | Milli-international units per milliliter (concentration), divided by meters squared (surface area).  | Milli-International Unit per Milliliter per Meter Squared                       |
| C119410       | mIU/mL/mg              |                | Milli-international units per milliliter (concentration), divided by milligrams (dose).  | Milli-International Unit per Milliliter per Milligram                           |
| C119411       | mIU/mL/ug              |                | Milli-international units per milliliter (concentration), divided by micrograms (dose).  | Milli-International Unit per Milliliter per Microgram                           |
| C28254        | mL                     | Milliliter;cm3 | The unit of volume equal to one thousandth of a liter, one cubic centimeter, 10E-6 cubic meter, or approximately to 0.061 023 7 cubic inch.(NCI)   | Milliliter  |
| C120816       | mL/(kg/m2)             |                | Milliliters (volume), divided by kilograms per meter squared (body mass index).  | Milliliter per Kilogram per Meter Squared                                       |
| C120817       | mL/(mg/day)            |                | Milliliters (volume), divided by milligrams per day (daily dose).  | Milliliter per Milligram per Day  |
| C120818       | mL/(mg/kg)             |                | Milliliters (volume), divided by milligrams per kilogram (dose normalized by body weight).   | Milliliter per Milligram per Kilogram   |
| C120819       | mL/(mg/kg/day)         |                | Milliliters (volume), divided by milligrams per kilogram per day (daily dose normalized by body weight).   | Milliliter per Milligram per Kilogram per Day                                   |

| C85494 PKUNIT |                        |  |  |   |
|---------------|------------------------|--|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term  |
| C120820       | mL/(mg/m2)             |  | Milliliters (volume), divided by milligrams per meter squared (dose normalized by surface area).                               | Milliliter per Milligram per Meter Squared                  |
| C120821       | mL/(mg/m2/day)         |  | Milliliters (volume), divided by milligrams per meter squared per day (daily dose normalized by surface area).                 | Milliliter per Milligram per Meter Squared per Day          |
| C120822       | mL/(ug/kg)             |  | Milliliters (volume), divided by micrograms per kilogram (dose normalized by body weight).                                     | Milliliter per Microgram per Kilogram                       |
| C120823       | mL/(ug/kg/day)         |  | Milliliters (volume), divided by micrograms per kilogram per day (daily dose normalized by body weight).                       | Milliliter per Microgram per Kilogram per Day               |
| C120824       | mL/(ug/m2/day)         |  | Milliliters (volume), divided by micrograms per meter squared per day (daily dose normalized by surface area).                 | Milliliter per Microgram per Meter Squared per Day          |
| C67410        | mL/day                 |  | A unit of flow rate, defined as a rate of one milliliter per day.  | Milliliter per 24 Hours                                     |
| C73754        | mL/g                   |  | Milliliters (volume) divided by grams (weight).  | Milliliter per Gram   |
| C66962        | mL/h                   |  | A unit of flow rate, defined as a rate of one milliliter per hour.   | Milliliter per Hour   |
| C67411        | mL/kg                  |  | Milliliters (volume) divided by kilograms (weight).  | Milliliter per Kilogram                                     |
| C73761        | mL/m2                  |  | Milliliters (volume) divided by meters squared (surface area).   | Milliliter per Square Meter                                 |
| C64777        | mL/min                 |  | A unit of flow rate, defined as a rate of one milliliter per minute.   | Milliliter per Minute                                       |
| C48513        | mmol                   | Millimole  | A unit of amount of substance equal to 0.001 mole.(NCI)  | Millimole   |
| C85720        | mmol/h                 |  | A unit of substance flow rate equal to one millimole per hour.   | Millimole per Hour  |
| C64387        | mmol/L                 | Micromole per Milliliter;Millimole per Liter;Mole per Cubic Meter;mcmol/mL;mmol/L;mol/m3;nmol/uL;umol/mL | A unit of concentration (molarity unit) equal to one millimole of solute per liter of solution.                                | Millimole per Liter   |
| C119412       | mmol/L/(kg/m2)         |  | Millimoles per liter (concentration), divided by kilograms per meter squared (body mass index).                                | Millimole per Liter per Kilogram per Meter Squared          |
| C119413       | mmol/L/(mg/day)        |  | Millimoles per liter (concentration), divided by milligrams per day (daily dose).  | Millimole per Liter per Milligram per Day                   |
| C119414       | mmol/L/(mg/kg)         |  | Millimoles per liter (concentration), divided by milligrams per kilogram.  | Millimole per Liter per Milligram per Kilogram              |
| C119415       | mmol/L/(mg/kg/day)     |  | Millimoles per liter (concentration), divided by milligrams per kilogram per day.  | Millimole per Liter per Milligram per Kilogram per Day      |
| C119416       | mmol/L/(mg/m2)         |  | Millimoles per liter (concentration), divided by milligrams per meter squared.   | Millimole per Liter per Milligram per Meter Squared         |
| C119417       | mmol/L/(mg/m2/day)     |  | Millimoles per liter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Millimole per Liter per Milligram per Meter Squared per Day |
| C119418       | mmol/L/(ug/day)        |  | Millimoles per liter (concentration), divided by micrograms per day (daily dose).  | Millimole per Liter per Microgram per Day                   |

| C85494 PKUNIT |                        |                              |   |   |
|---------------|------------------------|------------------------------|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym                | CDISC Definition  | NCI Preferred Term  |
| C119419       | mmol/L/(ug/kg)         |                              | Millimoles per liter (concentration), divided by micrograms per kilogram.   | Millimole per Liter per Microgram per Kilogram              |
| C119420       | mmol/L/(ug/kg/day)     |                              | Millimoles per liter (concentration), divided by micrograms per kilogram per day.   | Millimole per Liter per Microgram per Kilogram per Day      |
| C119421       | mmol/L/(ug/m2)         |                              | Millimoles per liter (concentration), divided by micrograms per meter squared.  | Millimole per Liter per Microgram per Meter Squared         |
| C119422       | mmol/L/(ug/m2/day)     |                              | Millimoles per liter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).  | Millimole per Liter per Microgram per Meter Squared per Day |
| C119423       | mmol/L/g               |                              | Millimoles per liter (concentration), divided by grams (weight).  | Millimole per Liter per Gram                                |
| C119424       | mmol/L/kg              |                              | Millimoles per liter (concentration), divided by kilograms (weight).  | Millimole per Liter per Kilogram                            |
| C119425       | mmol/L/m2              |                              | Millimoles per liter (concentration), divided by meters squared (surface area).   | Millimole per Liter per Meter Squared                       |
| C119426       | mmol/L/mg              |                              | Millimoles per liter (concentration), divided by milligrams (dose).   | Millimole per Liter per Milligram                           |
| C119427       | mmol/L/ug              |                              | Millimoles per liter (concentration), divided by micrograms (dose).   | Millimole per Liter per Microgram                           |
| C85722        | mmol/min               |                              | A unit of substance flow rate equal to one millimole per minute.  | Millimole per Minute  |
| C42539        | mol                    | Mole                         | A unit defined as the amount of substance that contains as many elementary units as there are atoms in 0.012 kg of carbon-12. When the mole is used, the elementary entities must be specified and may be atoms, molecules, ions, electrons, other particles, or specified groups of such particles.(NCI) | Mole  |
| C85737        | mol/day                | mol/d                        | Moles per day.  | Mole per Day  |
| C85738        | mol/h                  |                              | A unit of substance flow rate equal to one mole per hour.   | Mole per Hour   |
| C48555        | mol/L                  | Mole per Liter;mmol/mL;mol/L | A unit of concentration (molarity unit) equal to one mole of solute in one liter of solution.(NCI)  | Mole per Liter  |
| C119428       | mol/L/(kg/m2)          |                              | Moles per liter (concentration), divided by kilograms per meter squared (body mass index).  | Mole per Liter per Kilogram per Meter Squared               |
| C119429       | mol/L/(mg/day)         |                              | Moles per liter (concentration), divided by milligrams per day (daily dose).  | Mole per Liter per Milligram per Day                        |
| C119430       | mol/L/(mg/kg)          |                              | Moles per liter (concentration), divided by milligrams per kilogram.  | Mole per Liter per Milligram per Kilogram                   |
| C119431       | mol/L/(mg/kg/day)      |                              | Moles per liter (concentration), divided by milligrams per kilogram per day.  | Mole per Liter per Milligram per Kilogram per Day           |
| C119432       | mol/L/(mg/m2)          |                              | Moles per liter (concentration), divided by milligrams per meter squared.   | Mole per Liter per Milligram per Meter Squared              |



| C85494 PKUNIT |                        |  |  |  |
|---------------|------------------------|--|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                                     |
| C119433       | mol/L/(mg/m2/day)      |  | Moles per liter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).                                  | Mole per Liter per Milligram per Meter Squared per Day |
| C119434       | mol/L/(ug/day)         |  | Moles per liter (concentration), divided by micrograms per day (daily dose).   | Mole per Liter per Microgram per Day                   |
| C119435       | mol/L/(ug/kg)          |  | Moles per liter (concentration), divided by micrograms per kilogram.   | Mole per Liter per Microgram per Kilogram              |
| C119436       | mol/L/(ug/kg/day)      |  | Moles per liter (concentration), divided by micrograms per kilogram per day.   | Mole per Liter per Microgram per Kilogram per Day      |
| C119437       | mol/L/(ug/m2)          |  | Moles per liter (concentration), divided by micrograms per meter squared.  | Mole per Liter per Microgram per Meter Squared         |
| C119438       | mol/L/(ug/m2/day)      |  | Moles per liter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).                                  | Mole per Liter per Microgram per Meter Squared per Day |
| C119439       | mol/L/g                |  | Moles per liter (concentration), divided by grams (weight).  | Mole per Liter per Gram                                |
| C119440       | mol/L/kg               |  | Moles per liter (concentration), divided by kilograms (weight).  | Mole per Liter per Kilogram                            |
| C119441       | mol/L/m2               |  | Moles per liter (concentration), divided by meters squared (surface area).   | Mole per Liter per Meter Squared                       |
| C119442       | mol/L/mg               |  | Moles per liter (concentration), divided by milligrams (dose).   | Mole per Liter per Milligram                           |
| C119443       | mol/L/ug               |  | Moles per liter (concentration), divided by micrograms (dose).   | Mole per Liter per Microgram                           |
| C85739        | mol/min                |  | A unit of substance flow rate equal to one mole per minute.  | Mole per Minute  |
| C48516        | ng                     | Nanogram   | A unit of mass equal to one billionth (10E-9) of a gram, or one millionth (10E-6) of a milligram.(NCI)   | Nanogram   |
| C85741        | ng/day                 |  | A unit of mass flow rate equal to one nanogram per day.  | Nanogram per Day                                       |
| C85742        | ng/h                   |  | A unit of mass flow rate equal to one nanogram per hour.   | Nanogram per Hour                                      |
| C85743        | ng/kg/min              | ng/kg/min;ng/min/kg;pg/g/min;pg/min/g  | Nanograms per kilogram per minute.   | Nanogram per Kilogram per Minute                       |
| C85749        | ng/min                 |  | A unit of mass flow rate equal to one nanogram per minute.   | Nanogram per Minute                                    |
| C67306        | ng/mL                  | Microgram per Liter;Milligram per Cubic Meter;Nanogram per Milliliter;mcg/L;mg/m3;ng/mL;ug/L | A unit of concentration or mass density equal to one nanogram of substance per milliliter of solution or one microgram of substance per liter of solution. | Microgram per Liter                                    |
| C119444       | ng/mL/(kg/m2)          |  | Nanograms per milliliter (concentration), divided by kilograms per meter squared (body mass index).  | Nanogram per Milliliter per Kilogram per Meter Squared |
| C119445       | ng/mL/(mg/day)         |  | Nanograms per milliliter (concentration), divided by milligrams per day (daily dose).  | Nanogram per Milliliter per Milligram per Day          |
| C105477       | ng/mL/(mg/kg)          |  | Nanograms per milliliter (concentration), divided by milligrams per kilogram (dose normalized by body weight).   | Nanogram Per Milliliter Per Milligram Per Kilogram     |

| C85494 PKUNIT |                        |                            |  |   |
|---------------|------------------------|----------------------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym              | CDISC Definition   | NCI Preferred Term  |
| C105478       | ng/mL/(mg/kg/day)      |                            | Nanograms per milliliter (concentration), divided by milligrams per kilogram per day (daily dose normalized by body weight).       | Nanogram Per Milliliter Per Milligram Per Kilogram Per Day      |
| C119446       | ng/mL/(mg/m2)          |                            | Nanograms per milliliter (concentration), divided by milligrams per meter squared.   | Nanogram per Milliliter per Milligram per Meter Squared         |
| C119447       | ng/mL/(mg/m2/day)      |                            | Nanograms per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Nanogram per Milliliter per Milligram per Meter Squared per Day |
| C119448       | ng/mL/(ug/day)         |                            | Nanograms per milliliter (concentration), divided by micrograms per day (daily dose).  | Nanogram per Milliliter per Microgram per Day                   |
| C119449       | ng/mL/(ug/kg)          |                            | Nanograms per milliliter (concentration), divided by micrograms per kilogram.  | Nanogram per Milliliter per Microgram per Kilogram              |
| C119450       | ng/mL/(ug/kg/day)      |                            | Nanograms per milliliter (concentration), divided by micrograms per kilogram per day.  | Nanogram per Milliliter per Microgram per Kilogram per Day      |
| C119451       | ng/mL/(ug/m2)          |                            | Nanograms per milliliter (concentration), divided by micrograms per meter squared.   | Nanogram per Milliliter per Microgram per Meter Squared         |
| C119452       | ng/mL/(ug/m2/day)      |                            | Nanograms per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Nanogram per Milliliter per Microgram per Meter Squared per Day |
| C119453       | ng/mL/g                |                            | Nanograms per milliliter (concentration), divided by grams (weight).   | Nanogram per Milliliter per Gram                                |
| C85746        | ng/mL/kg               |                            | Nanograms per milliliter (concentration), divided by kilograms (weight).   | Nanogram per Milliliter per Kilogram                            |
| C119454       | ng/mL/m2               |                            | Nanograms per milliliter (concentration), divided by meters squared (surface area).  | Nanogram per Milliliter per Meter Squared                       |
| C85747        | ng/mL/mg               |                            | Nanograms per milliliter (concentration), divided by milligrams (dose).  | Nanogram per Milliliter per Milligram                           |
| C119455       | ng/mL/ug               |                            | Nanograms per milliliter (concentration), divided by micrograms (dose).  | Nanogram per Milliliter per Microgram                           |
| C48517        | nmol                   | Nanomole                   | A unit of amount of substance equal to one billionth (10E-9) of a mole.(NCI)   | Nanomole  |
| C85751        | nmol/day               | nmol/d                     | Nanomoles per day.   | Nanomole per Day  |
| C85752        | nmol/g                 | nmol/g;pmol/mg;umol/kg     | Nanomoles per gram.  | Nanomole per Gram   |
| C85753        | nmol/h                 |                            | A unit of substance flow rate equal to one nanomole per hour.  | Nanomole per Hour   |
| C85754        | nmol/kg                | nmol/kg;pmol/g             | Nanomoles per kilogram or picomoles per gram.  | Nanomole per Kilogram   |
| C67432        | nmol/L                 | Nanomole per Liter;pmol/mL | A unit of concentration (molarity unit) equal to one nanomole of solute per liter of solution.                                     | Nanomole per Liter  |
| C119456       | nmol/L/(kg/m2)         |                            | Nanomoles per liter (concentration), divided by kilograms per meter squared (body mass index).                                     | Nanomole per Liter per Kilogram per Meter Squared               |

| C85494 PKUNIT |                        |  |  |  |
|---------------|------------------------|--|--|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym                                  | CDISC Definition   | NCI Preferred Term   |
| C119457       | nmol/L/(mg/day)        |  | Nanomoles per liter (concentration), divided by milligrams per day (daily dose).   | Nanomole per Liter per Milligram per Day                   |
| C119458       | nmol/L/(mg/kg)         |  | Nanomoles per liter (concentration), divided by milligrams per kilogram.   | Nanomole per Liter per Milligram per Kilogram              |
| C119459       | nmol/L/(mg/kg/day)     |  | Nanomoles per liter (concentration), divided by milligrams per kilogram per day.   | Nanomole per Liter per Milligram per Kilogram per Day      |
| C119460       | nmol/L/(mg/m2)         |  | Nanomoles per liter (concentration), divided by milligrams per meter squared.  | Nanomole per Liter per Milligram per Meter Squared         |
| C119461       | nmol/L/(mg/m2/day)     |  | Nanomoles per liter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).                              | Nanomole per Liter per Milligram per Meter Squared per Day |
| C119462       | nmol/L/(ug/day)        |  | Nanomoles per liter (concentration), divided by micrograms per day (daily dose).   | Nanomole per Liter per Microgram per Day                   |
| C119463       | nmol/L/(ug/kg)         |  | Nanomoles per liter (concentration), divided by micrograms per kilogram.   | Nanomole per Liter per Microgram per Kilogram              |
| C119464       | nmol/L/(ug/kg/day)     |  | Nanomoles per liter (concentration), divided by micrograms per kilogram per day.   | Nanomole per Liter per Microgram per Kilogram per Day      |
| C119465       | nmol/L/(ug/m2)         |  | Nanomoles per liter (concentration), divided by micrograms per meter squared.  | Nanomole per Liter per Microgram per Meter Squared         |
| C119466       | nmol/L/(ug/m2/day)     |  | Nanomoles per liter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).                              | Nanomole per Liter per Microgram per Meter Squared per Day |
| C119467       | nmol/L/g               |  | Nanomoles per liter (concentration), divided by grams (weight).  | Nanomole per Liter per Gram                                |
| C119468       | nmol/L/kg              |  | Nanomoles per liter (concentration), divided by kilograms (weight).  | Nanomole per Liter per Kilogram                            |
| C119469       | nmol/L/m2              |  | Nanomoles per liter (concentration), divided by meters squared (surface area).   | Nanomole per Liter per Meter Squared                       |
| C119470       | nmol/L/mg              |  | Nanomoles per liter (concentration), divided by milligrams (dose).   | Nanomole per Liter per Milligram                           |
| C119471       | nmol/L/ug              |  | Nanomoles per liter (concentration), divided by micrograms (dose).   | Nanomole per Liter per Microgram                           |
| C85758        | nmol/min               |  | A unit of substance flow rate equal to one nanomole per minute.  | Nanomole per Minute  |
| C85778        | pg/day                 |  | A unit of mass flow rate equal to one picogram per day.  | Picogram per Day   |
| C85779        | pg/h                   |  | A unit of mass flow rate equal to one picogram per hour.   | Picogram per Hour  |
| C67396        | pg/mg                  | Microgram per Kilogram;mcg/kg;ng/g;pg/mg;ug/kg | A unit of a mass fraction expressed as a number of micrograms of substance per kilogram of mixture. The unit is also used as a dose calculation unit.(NCI) | Microgram per Kilogram                                     |
| C85782        | pg/min                 |  | A unit of mass flow rate equal to one picogram per minute.   | Picogram per Minute  |

| C85494 PKUNIT |                        |   |   |   |
|---------------|------------------------|---|---|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term  |
| C67327        | pg/mL                  | Microgram per Cubic Meter;ng/L;pg/mL;ug/m3          | A unit of concentration or mass density equal to one picogram of substance per milliliter of solution or one nanogram of substance per liter of solution. | Nanogram per Liter  |
| C119472       | pg/mL/(kg/m2)          |   | Picograms per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Picogram per Milliliter per Kilogram per Meter Squared          |
| C119473       | pg/mL/(mg/day)         |   | Picograms per milliliter (concentration), divided by milligrams per day (daily dose).   | Picogram per Milliliter per Milligram per Day                   |
| C105479       | pg/mL/(mg/kg)          |   | Picograms per milliliter (concentration), divided by milligrams per kilogram (dose normalized by body weight).  | Picogram Per Milliliter Per Milligram Per Kilogram              |
| C105480       | pg/mL/(mg/kg/day)      |   | Picograms per milliliter (concentration), divided by milligrams per kilogram per day (daily dose normalized by body weight).                              | Picogram Per Milliliter Per Milligram Per Kilogram Per Day      |
| C119474       | pg/mL/(mg/m2)          |   | Picograms per milliliter (concentration), divided by milligrams per meter squared.  | Picogram per Milliliter per Milligram per Meter Squared         |
| C119475       | pg/mL/(mg/m2/day)      |   | Picograms per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).                        | Picogram per Milliliter per Milligram per Meter Squared per Day |
| C119476       | pg/mL/(ug/day)         |   | Picograms per milliliter (concentration), divided by micrograms per day (daily dose).   | Picogram per Milliliter per Microgram per Day                   |
| C119477       | pg/mL/(ug/kg)          |   | Picograms per milliliter (concentration), divided by micrograms per kilogram.   | Picogram per Milliliter per Microgram per Kilogram              |
| C119478       | pg/mL/(ug/kg/day)      |   | Picograms per milliliter (concentration), divided by micrograms per kilogram per day.   | Picogram per Milliliter per Microgram per Kilogram per Day      |
| C119479       | pg/mL/(ug/m2)          |   | Picograms per milliliter (concentration), divided by micrograms per meter squared.  | Picogram per Milliliter per Microgram per Meter Squared         |
| C119480       | pg/mL/(ug/m2/day)      |   | Picograms per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).                        | Picogram per Milliliter per Microgram per Meter Squared per Day |
| C119481       | pg/mL/g                |   | Picograms per milliliter (concentration), divided by grams (weight).  | Picogram per Milliliter per Gram                                |
| C119482       | pg/mL/kg               |   | Picograms per milliliter (concentration), divided by kilograms (weight).  | Picogram per Milliliter per Kilogram                            |
| C119483       | pg/mL/m2               |   | Picograms per milliliter (concentration), divided by meters squared (surface area).   | Picogram per Milliliter per Meter Squared                       |
| C119484       | pg/mL/mg               |   | Picograms per milliliter (concentration), divided by milligrams (dose).   | Picogram per Milliliter per Milligram                           |
| C85781        | pg/mL/ug               | pg/mL/mcg   | Picograms per milliliter (concentration), divided by micrograms (dose).   | Picogram per Milliliter per Microgram                           |
| C67434        | pmol/L                 | Femtomole per Milliliter;Picomole per Liter;fmol/mL | A unit of concentration (molarity unit) equal to one picomole of solute per liter of solution.  | Picomole per Liter  |

| C85494 PKUNIT |                        |               |   |  |
|---------------|------------------------|---------------|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term   |
| C119485       | pmol/L/(kg/m2)         |               | Picomoles per liter (concentration), divided by kilograms per meter squared (body mass index).                                | Picomole per Liter per Kilogram per Meter Squared          |
| C119486       | pmol/L/(mg/day)        |               | Picomoles per liter (concentration), divided by milligrams per day (daily dose).  | Picomole per Liter per Milligram per Day                   |
| C119487       | pmol/L/(mg/kg)         |               | Picomoles per liter (concentration), divided by milligrams per kilogram.  | Picomole per Liter per Milligram per Kilogram              |
| C119488       | pmol/L/(mg/kg/day)     |               | Picomoles per liter (concentration), divided by milligrams per kilogram per day.  | Picomole per Liter per Milligram per Kilogram per Day      |
| C119489       | pmol/L/(mg/m2)         |               | Picomoles per liter (concentration), divided by milligrams per meter squared.   | Picomole per Liter per Milligram per Meter Squared         |
| C119490       | pmol/L/(mg/m2/day)     |               | Picomoles per liter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area). | Picomole per Liter per Milligram per Meter Squared per Day |
| C119491       | pmol/L/(ug/day)        |               | Picomoles per liter (concentration), divided by micrograms per day (daily dose).  | Picomole per Liter per Microgram per Day                   |
| C119492       | pmol/L/(ug/kg)         |               | Picomoles per liter (concentration), divided by micrograms per kilogram.  | Picomole per Liter per Microgram per Kilogram              |
| C119493       | pmol/L/(ug/kg/day)     |               | Picomoles per liter (concentration), divided by micrograms per kilogram per day.  | Picomole per Liter per Microgram per Kilogram per Day      |
| C119494       | pmol/L/(ug/m2)         |               | Picomoles per liter (concentration), divided by micrograms per meter squared.   | Picomole per Liter per Microgram per Meter Squared         |
| C119495       | pmol/L/(ug/m2/day)     |               | Picomoles per liter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Picomole per Liter per Microgram per Meter Squared per Day |
| C119496       | pmol/L/g               |               | Picomoles per liter (concentration), divided by grams (weight).   | Picomole per Liter per Gram                                |
| C119497       | pmol/L/kg              |               | Picomoles per liter (concentration), divided by kilograms (weight).   | Picomole per Liter per Kilogram                            |
| C119498       | pmol/L/m2              |               | Picomoles per liter (concentration), divided by meters squared (surface area).  | Picomole per Liter per Meter Squared                       |
| C119499       | pmol/L/mg              |               | Picomoles per liter (concentration), divided by milligrams (dose).  | Picomole per Liter per Milligram                           |
| C85784        | pmol/L/ug              |               | Picomoles per liter (concentration), divided by micrograms (dose).  | Picomole per Liter per Microgram                           |
| C44256        | RATIO                  |               | A unit of measurement for the quotient of the amount of one entity to another.  | Ratio  |
| C48152        | ug                     | Microgram;mcg | The unit of mass equal to one millionth of a gram or one thousandth of a milligram.(NCI)                                      | Microgram  |

| C85494 PKUNIT |                        |  |   |  |
|---------------|------------------------|--|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C71205        | ug/day                 | Microgram per Day;mcg/day  | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to twenty four hours. Microgram per day is also a dose administration rate unit equal to the rate at which one millionth of a gram of a product is administered per unit of time equal to twenty four hours.(NCI) | Microgram per Day  |
| C67394        | ug/h                   | Micrograms per Hour;mcg/h  | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to one hour.(NCI)   | Microgram per Hour   |
| C71211        | ug/min                 | Micrograms per Minute;mcg/min  | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to one minute. Microgram per minute is also a dose administration rate unit equal to the rate at which one millionth of a gram of a product is administered per unit of time equal to one minute.(NCI)            | Microgram per Minute   |
| C64572        | ug/mL                  | Gram per Cubic Meter;Microgram per Milliliter;Milligram per Liter;g/m3;mcg/mL;mg/L;ng/uL;ug/mL | A unit of concentration or mass density equal to one microgram of substance per milliliter of solution or one milligram of substance per liter of solution.   | Microgram per Milliliter   |
| C119500       | ug/mL/(kg/m2)          |  | Micrograms per milliliter (concentration), divided by kilograms per meter squared (body mass index).  | Microgram per Milliliter per Kilogram per Meter Squared          |
| C119501       | ug/mL/(mg/day)         |  | Micrograms per milliliter (concentration), divided by milligrams per day (daily dose).  | Microgram per Milliliter per Milligram per Day                   |
| C105473       | ug/mL/(mg/kg)          |  | Micrograms per milliliter (concentration), divided by milligrams per kilogram (dose normalized by body weight).   | Microgram Per Milliliter Per Milligram Per Kilogram              |
| C105474       | ug/mL/(mg/kg/day)      |  | Micrograms per milliliter (concentration), divided by milligrams per kilogram per day (daily dose normalized by body weight).   | Microgram Per Milliliter Per Milligram Per Kilogram Per Day      |
| C119502       | ug/mL/(mg/m2)          |  | Micrograms per milliliter (concentration), divided by milligrams per meter squared.   | Microgram per Milliliter per Milligram per Meter Squared         |
| C119503       | ug/mL/(mg/m2/day)      |  | Micrograms per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).   | Microgram per Milliliter per Milligram per Meter Squared per Day |
| C119504       | ug/mL/(ug/day)         |  | Micrograms per milliliter (concentration), divided by micrograms per day (daily dose).  | Microgram per Milliliter per Microgram per Day                   |
| C119505       | ug/mL/(ug/kg)          |  | Micrograms per milliliter (concentration), divided by micrograms per kilogram.  | Microgram per Milliliter per Microgram per Kilogram              |
| C119506       | ug/mL/(ug/kg/day)      |  | Micrograms per milliliter (concentration), divided by micrograms per kilogram per day.  | Microgram per Milliliter per Microgram per Kilogram per Day      |
| C119507       | ug/mL/(ug/m2)          |  | Micrograms per milliliter (concentration), divided by micrograms per meter squared.   | Microgram per Milliliter per Microgram per Meter Squared         |

| C85494 PKUNIT |                        |  |   |  |
|---------------|------------------------|--|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C119508       | ug/mL/(ug/m2/day)      |  | Micrograms per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).   | Microgram per Milliliter per Microgram per Meter Squared per Day                 |
| C119509       | ug/mL/g                |  | Micrograms per milliliter (concentration), divided by grams (weight).   | Microgram per Milliliter per Gram  |
| C119510       | ug/mL/kg               |  | Micrograms per milliliter (concentration), divided by kilograms (weight).   | Microgram per Milliliter per Kilogram  |
| C119511       | ug/mL/m2               |  | Micrograms per milliliter (concentration), divided by meters squared (surface area).  | Microgram per Milliliter per Meter Squared                                       |
| C85710        | ug/mL/mg               |  | Micrograms per milliliter (concentration), divided by milligrams (dose).  | Milligram per Liter per Milligram  |
| C119512       | ug/mL/ug               |  | Micrograms per milliliter (concentration), divided by micrograms (dose).  | Microgram per Milliliter per Microgram   |
| C67405        | uIU/mL                 | Micro-International Unit per milliliter;mIE/L;mIU/L;mcIU/mL;uIU/mL | A unit of concentration (biologic activity) equal to one micro-international unit of substance per milliliter of solution or one milli-international unit of substance per liter of solution. | Microinternational Unit per Milliliter   |
| C119513       | uIU/mL/(kg/m2)         |  | Micro-international units per milliliter (concentration), divided by kilograms per meter squared (body mass index).   | Micro-International Units per Milliliter per Kilogram per Meter Squared          |
| C119514       | uIU/mL/(mg/day)        |  | Micro-international units per milliliter (concentration), divided by milligrams per day (daily dose).   | Micro-International Units per Milliliter per Milligram per Day                   |
| C119515       | uIU/mL/(mg/kg)         |  | Micro-international units per milliliter (concentration), divided by milligrams per kilogram.   | Micro-International Units per Milliliter per Milligram per Kilogram              |
| C119516       | uIU/mL/(mg/kg/day)     |  | Micro-international units per milliliter (concentration), divided by milligrams per kilogram per day.   | Micro-International Units per Milliliter per Milligram per Kilogram per Day      |
| C119517       | uIU/mL/(mg/m2)         |  | Micro-international units per milliliter (concentration), divided by milligrams per meter squared.  | Micro-International Units per Milliliter per Milligram per Meter Squared         |
| C119518       | uIU/mL/(mg/m2/day)     |  | Micro-international units per milliliter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).  | Micro-International Units per Milliliter per Milligram per Meter Squared per Day |
| C119519       | uIU/mL/(ug/day)        |  | Micro-international units per milliliter (concentration), divided by micrograms per day (daily dose).   | Micro-International Units per Milliliter per Microgram per Day                   |
| C119520       | uIU/mL/(ug/kg)         |  | Micro-international units per milliliter (concentration), divided by micrograms per kilogram.   | Micro-International Units per Milliliter per Microgram per Kilogram              |
| C119521       | uIU/mL/(ug/kg/day)     |  | Micro-international units per milliliter (concentration), divided by micrograms per kilogram per day.   | Micro-International Units per Milliliter per Microgram per Kilogram per Day      |
| C119522       | uIU/mL/(ug/m2)         |  | Micro-international units per milliliter (concentration), divided by micrograms per meter squared.  | Micro-International Units per Milliliter per Microgram per Meter Squared         |

| C85494 PKUNIT |                        |                              |   |  |
|---------------|------------------------|------------------------------|---|--|
| NCI Code      | CDISC Submission Value | CDISC Synonym                | CDISC Definition  | NCI Preferred Term   |
| C119523       | uIU/mL/(ug/m2/day)     |                              | Micro-international units per milliliter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area).  | Micro-International Units per Milliliter per Microgram per Meter Squared per Day |
| C119524       | uIU/mL/g               |                              | Micro-international units per milliliter (concentration), divided by grams (weight).  | Micro-International Units per Milliliter per Gram                                |
| C119525       | uIU/mL/kg              |                              | Micro-international units per milliliter (concentration), divided by kilograms (weight).  | Micro-International Units per Milliliter per Kilogram                            |
| C119526       | uIU/mL/m2              |                              | Micro-international units per milliliter (concentration), divided by meters squared (surface area).   | Micro-International Units per Milliliter per Meter Squared                       |
| C119527       | uIU/mL/mg              |                              | Micro-international units per milliliter (concentration), divided by milligrams (dose).   | Micro-International Units per Milliliter per Milligram                           |
| C119528       | uIU/mL/ug              |                              | Micro-international units per milliliter (concentration), divided by micrograms (dose).   | Micro-International Units per Milliliter per Microgram                           |
| C48509        | umol                   | Micromole;mcmol              | A unit of amount of substance equal to one millionth (10E-6) of a mole.(NCI)  | Micromole  |
| C67406        | umol/day               | Micromoles per Day;mcmol/day | A unit of amount of substance flow rate equivalent to the rate at which one millionth of a mole of substance travels to a given object or space over a period of time equal to 24 hours.(NCI) | Micromole per 24 Hours   |
| C85707        | umol/h                 |                              | A unit of substance flow rate equal to one micromole per hour.  | Micromole per Hour   |
| C48508        | umol/L                 | Micromole per Liter          | A unit of concentration (molarity unit) equal to one micromole of solute per liter of solution.   | Micromole per Liter  |
| C119529       | umol/L/(kg/m2)         |                              | Micromoles per liter (concentration), divided by kilograms per meter squared (body mass index).   | Micromole per Liter per Kilogram per Meter Squared                               |
| C119530       | umol/L/(mg/day)        |                              | Micromoles per liter (concentration), divided by milligrams per day (daily dose).   | Micromole per Liter per Milligram per Day  |
| C119531       | umol/L/(mg/kg)         |                              | Micromoles per liter (concentration), divided by milligrams per kilogram.   | Micromole per Liter per Milligram per Kilogram                                   |
| C119532       | umol/L/(mg/kg/day)     |                              | Micromoles per liter (concentration), divided by milligrams per kilogram per day.   | Micromole per Liter per Milligram per Kilogram per Day                           |
| C119533       | umol/L/(mg/m2)         |                              | Micromoles per liter (concentration), divided by milligrams per meter squared.  | Micromole per Liter per Milligram per Meter Squared                              |
| C119534       | umol/L/(mg/m2/day)     |                              | Micromoles per liter (concentration), divided by milligrams per meter squared per day (daily dose normalized by surface area).  | Micromole per Liter per Milligram per Meter Squared per Day                      |
| C119535       | umol/L/(ug/day)        |                              | Micromoles per liter (concentration), divided by micrograms per day (daily dose).   | Micromole per Liter per Microgram per Day  |
| C119536       | umol/L/(ug/kg)         |                              | Micromoles per liter (concentration), divided by micrograms per kilogram.   | Micromole per Liter per Microgram per Kilogram                                   |



| C85494 PKUNIT |                        |                    |  |   |
|---------------|------------------------|--------------------|--|---|
| NCI Code      | CDISC Submission Value | CDISC Synonym      | CDISC Definition   | NCI Preferred Term  |
| C119537       | umol/L/(ug/kg/day)     |                    | Micromoles per liter (concentration), divided by micrograms per kilogram per day.  | Micromole per Liter per Microgram per Kilogram per Day      |
| C119538       | umol/L/(ug/m2)         |                    | Micromoles per liter (concentration), divided by micrograms per meter squared.   | Micromole per Liter per Microgram per Meter Squared         |
| C119539       | umol/L/(ug/m2/day)     |                    | Micromoles per liter (concentration), divided by micrograms per meter squared per day (daily dose normalized by surface area). | Micromole per Liter per Microgram per Meter Squared per Day |
| C119540       | umol/L/g               |                    | Micromoles per liter (concentration), divided by grams (weight).   | Micromole per Liter per Gram                                |
| C119541       | umol/L/kg              |                    | Micromoles per liter (concentration), divided by kilograms (weight).   | Micromole per Liter per Kilogram                            |
| C119542       | umol/L/m2              |                    | Micromoles per liter (concentration), divided by meters squared (surface area).  | Micromole per Liter per Meter Squared                       |
| C119543       | umol/L/mg              |                    | Micromoles per liter (concentration), divided by milligrams (dose).  | Micromole per Liter per Milligram                           |
| C119544       | umol/L/ug              |                    | Micromoles per liter (concentration), divided by micrograms (dose).  | Micromole per Liter per Microgram                           |
| C85708        | umol/min               | mcmol/min;umol/min | Micromoles per minute.   | Micromole per Minute  |

## PORTOT (Portion/Totality)

NCI Code: C99075, Codelist extensible: Yes

| C99075 PORTOT |                        |               |  |                    |
|---------------|------------------------|---------------|--|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C64916        | ALL                    |               | Being or representing the total number of individual entities. | All                |
| C25326        | ENTIRE                 | Whole         | Being or representing the complete extent of a single entity.  | Whole              |
| C81009        | HEMI                   |               | Of or pertaining to one half of a whole.                       | Half               |
| C78728        | MULTIPLE               | Many;Several  | More than one. (NCI)   | Many               |
| C25378        | PARTIAL                |               | Being or representing an incomplete extent of a single entity. | Partial            |
| C45312        | SEGMENT                |               | One of the parts into which something is divided.              | Segment            |
| C48440        | SINGLE                 |               | One.   | Single             |

## POSITION (Position)

NCI Code: C71148, Codelist extensible: Yes

| C71148 POSITION |                         |                         |   |                                  |
|-----------------|-------------------------|-------------------------|---|----------------------------------|
| NCI Code        | CDISC Submission Value  | CDISC Synonym           | CDISC Definition  | NCI Preferred Term               |
| C77532          | DECUBITUS               | Recumbent               | Lying down. (NCI)   | Recumbent Position               |
| C62173          | FOWLERS                 | Fowlers                 | A semi-sitting position whereby the head of an adjustable bed is elevated to the desired height, about 60-90 cm, to produce angulation of the body, usually 45 degrees to 60 degrees. Knees may or may not be bent. (NCI) | Fowler's Position                |
| C100758         | LATERAL DECUBITUS       | Lateral Decubitus       | Lying down on one side.   | Lateral Decubitus Position       |
| C62172          | LEFT LATERAL DECUBITUS  | Left lateral decubitus  | A recumbent left lateral side position. (NCI)   | Left Lateral Decubitus Position  |
| C62165          | PRONE                   | Prone                   | An anterior recumbent body position whereby the person lies on its stomach and faces downward. (NCI)  | Prone Position                   |
| C62169          | REVERSE TRENDELENBURG   | Reverse Trendelenburg   | A supine position with the person inclined at an angle of 45 degrees so that the head is higher than the pelvis. (NCI)  | Reverse Trendelenburg            |
| C62171          | RIGHT LATERAL DECUBITUS | Right lateral decubitus | A recumbent right lateral side position. (NCI)  | Right Lateral Decubitus Position |
| C62174          | SEMI-FOWLERS            | Semi-Fowlers            | A semi-sitting or semi-reclined body position whereby the head is elevated on an angle of approximately 30 degrees. (NCI)   | Semi-Fowler's Position           |
| C111310         | SEMI-RECUMBENT          |                         | A semi-sitting or semi-reclined body position in which the head is elevated above horizontal. (NCI)   | Semi-Recumbent                   |
| C62122          | SITTING                 | Sitting                 | The state or act of one who sits; the posture of one who occupies a seat. (NCI)   | Sitting                          |
| C92604          | SLING                   | Sling                   | A position in which the subject's body is supported by a sling.   | Patient in Body Sling            |
| C62166          | STANDING                | Standing                | The act of assuming or maintaining an erect upright position. (NCI)   | Standing                         |
| C62167          | SUPINE                  | Supine                  | A posterior recumbent body position whereby the person lies on its back and faces upward. (NCI)   | Supine Position                  |
| C62168          | TRENDELENBURG           | Trendelenburg           | A supine position with the person inclined at an angle of 45 degrees so that the pelvis is higher than the head. (NCI)  | Trendelenburg                    |
| C90480          | UNCONSTRAINED           | Unconstrained           | The ability to move body parts and limbs without physical restriction. (NCI)  | Unconstrained Body Movement      |

## PYFINDRS (Pregnancy Findings Result)

NCI Code: C124323, Codelist extensible: Yes

| C124323 PYFINDRS |                         |               |  |   |
|------------------|-------------------------|---------------|--|---|
| NCI Code         | CDISC Submission Value  | CDISC Synonym | CDISC Definition   | NCI Preferred Term                      |
| C124616          | ABORTED                 |               | Loss of all or part of the products of conception prior to the scheduled c-section date or expected delivery date. | Experimental Organism Aborted           |
| C124617          | EARLY DELIVERY          |               | A birth event that occurs prior to the scheduled c-section date or expected delivery date.                         | Early Delivery of Experimental Organism |
| C82475           | NOT PREGNANT            |               | Observed to be negative for a pregnancy test or not pregnant.  | Not Pregnant                            |
| C124295          | PREGNANT                |               | Observed to be or have been pregnant or positive for a pregnancy test.   | Pregnant                                |
| C124618          | RESORBED OR DEAD LITTER |               | A pregnancy result for a female that had all intrauterine deaths.  | Resorbed or Dead Litter                 |
| C124294          | UNDETERMINED            |               | A term referring to the lack of definitive criteria for classification of a finding.                               | Undetermined                            |

## PYRESCAT (Pregnancy Findings Result Category)

NCI Code: C124322, Codelist extensible: Yes

| C124322 PYRESCAT |                        |               |  |                    |
|------------------|------------------------|---------------|--|--------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C82475           | NOT PREGNANT           |               | Observed to be negative for a pregnancy test or not pregnant.                        | Not Pregnant       |
| C124295          | PREGNANT               |               | Observed to be or have been pregnant or positive for a pregnancy test.               | Pregnant           |
| C124294          | UNDETERMINED           |               | A term referring to the lack of definitive criteria for classification of a finding. | Undetermined       |

## PYTEST (Pregnancy Findings Test Name)

NCI Code: C124325, Codelist extensible: Yes

| C124325 PYTEST |                                  |                                  |   |                                  |
|----------------|----------------------------------|----------------------------------|---|----------------------------------|
| NCI Code       | CDISC Submission Value           | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term               |
| C124628        | Average Female Live Fetal Weight | Average Female Live Fetal Weight | A measurement of the average weight of all live female fetuses.   | Average Female Live Fetal Weight |
| C124627        | Average Live Fetal Weight        | Average Live Fetal Weight        | A measurement of the average weight of all live fetuses.  | Average Live Fetal Weight        |
| C124629        | Average Male Live Fetal Weight   | Average Male Live Fetal Weight   | A measurement of the average weight of all live male fetuses.   | Average Male Live Fetal Weight   |
| C124619        | Corpora Lutea Count              | Corpora Lutea Count              | The number of corpora lutea present in the ovary/ovaries.   | Corpora Lutea Number             |
| C124621        | Fetal Female Sex Ratio           | Fetal Female Sex Ratio           | A measurement (expressed as a fraction or percent) of the number of live female fetuses to the total number of live male and female fetuses.  | Fetal Female Sex Ratio           |
| C124625        | Fetal Male Sex Ratio             | Fetal Male Sex Ratio             | A measurement (expressed as a fraction or percent) of the number of live male fetuses to the total number of live male and female fetuses.  | Fetal Male Sex Ratio             |
| C124620        | Number of Dead Fetuses           | Number of Dead Fetuses           | A measurement of the number of dead fetuses in the uterus/uterine horn(s).  | Number of Dead Fetuses           |
| C124635        | Number of Early Resorptions      | Number of Early Resorptions      | A measurement of the number of early resorptions in the uterus/uterine horn(s).   | Number of Early Resorptions      |
| C124626        | Number of Fetuses                | Number of Fetuses                | A measurement of the total number of fetuses (alive plus dead) present in the uterus/uterine horn(s).   | Number of Fetuses                |
| C124631        | Number of Implantations          | Number of Implantations          | A measurement of the number of implantations in the uterus/uterine horn(s).   | Number of Implantations          |
| C124632        | Number of Intrauterine Deaths    | Number of Intrauterine Deaths    | A measurement of the total number of deaths (dead fetuses plus resorptions) in the uterus/uterine horn(s).  | Number of Intrauterine Deaths    |
| C124636        | Number of Late Resorptions       | Number of Late Resorptions       | A measurement of the number of late resorptions in the uterus/uterine horn(s).  | Number of Late Resorptions       |
| C124622        | Number of Live Female Fetuses    | Number of Live Female Fetuses    | A measurement of the number of live female fetuses present in the uterus/uterine horn(s).   | Number of Live Female Fetuses    |
| C124624        | Number of Live Fetuses           | Number of Live Fetuses           | A measurement of the number of live fetuses in the uterus/uterine horn(s).  | Number of Live Fetuses           |
| C124623        | Number of Live Male Fetuses      | Number of Live Male Fetuses      | A measurement of the number of live male fetuses present in the uterus/uterine horn(s).   | Number of Live Male Fetuses      |
| C124637        | Number of Resorptions            | Number of Resorptions            | A measurement of the total number of resorptions (early plus late) in the uterus/uterine horn(s).   | Number of Resorptions            |
| C124634        | Post-implantation Loss Percent   | Post-implantation Loss Percent   | The percentage of implants that died, calculated as the number of intrauterine deaths divided by the number of implantations and multiplied by 100.   | Post-implantation Loss Percent   |
| C124633        | Pre-implantation Loss Percent    | Pre-implantation Loss Percent    | The percentage of released ova that failed to implant, calculated as the number of corpora lutea minus the number of implantations, divided by the number of corpora lutea and multiplied by 100. | Pre-implantation Loss Percent    |
| C69218         | Pregnancy Status                 | Pregnancy Status                 | The condition or state of the subject with regards to pregnancy.  | Pregnancy Status                 |
| C124630        | Total Live Fetal Weight          | Total Live Fetal Weight          | A measurement of the total weight of all live fetuses.  | Total Live Fetal Weight          |

## PYTESTCD (Pregnancy Findings Test Code)

NCI Code: C124324, Codelist extensible: Yes

| C124324 PYTESTCD |                        |                                  |   |                                  |
|------------------|------------------------|----------------------------------|---|----------------------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term               |
| C124619          | CORPLUT                | Corpora Lutea Count              | The number of corpora lutea present in the ovary/ovaries.   | Corpora Lutea Number             |
| C124620          | FETDENUM               | Number of Dead Fetuses           | A measurement of the number of dead fetuses in the uterus/uterine horn(s).  | Number of Dead Fetuses           |
| C124621          | FETFSEXR               | Fetal Female Sex Ratio           | A measurement (expressed as a fraction or percent) of the number of live female fetuses to the total number of live male and female fetuses.  | Fetal Female Sex Ratio           |
| C124622          | FETLFNUM               | Number of Live Female Fetuses    | A measurement of the number of live female fetuses present in the uterus/uterine horn(s).   | Number of Live Female Fetuses    |
| C124623          | FETLMNUM               | Number of Live Male Fetuses      | A measurement of the number of live male fetuses present in the uterus/uterine horn(s).   | Number of Live Male Fetuses      |
| C124624          | FETLVNUM               | Number of Live Fetuses           | A measurement of the number of live fetuses in the uterus/uterine horn(s).  | Number of Live Fetuses           |
| C124625          | FETMSEXR               | Fetal Male Sex Ratio             | A measurement (expressed as a fraction or percent) of the number of live male fetuses to the total number of live male and female fetuses.  | Fetal Male Sex Ratio             |
| C124626          | FETNUM                 | Number of Fetuses                | A measurement of the total number of fetuses (alive plus dead) present in the uterus/uterine horn(s).   | Number of Fetuses                |
| C124627          | FWAVGL                 | Average Live Fetal Weight        | A measurement of the average weight of all live fetuses.  | Average Live Fetal Weight        |
| C124628          | FWAVGLF                | Average Female Live Fetal Weight | A measurement of the average weight of all live female fetuses.   | Average Female Live Fetal Weight |
| C124629          | FWAVGLM                | Average Male Live Fetal Weight   | A measurement of the average weight of all live male fetuses.   | Average Male Live Fetal Weight   |
| C124630          | FWTOTL                 | Total Live Fetal Weight          | A measurement of the total weight of all live fetuses.  | Total Live Fetal Weight          |
| C124631          | IMLNUM                 | Number of Implantations          | A measurement of the number of implantations in the uterus/uterine horn(s).   | Number of Implantations          |
| C124632          | IUDNUM                 | Number of Intrauterine Deaths    | A measurement of the total number of deaths (dead fetuses plus resorptions) in the uterus/uterine horn(s).  | Number of Intrauterine Deaths    |
| C69218           | PREGSTAT               | Pregnancy Status                 | The condition or state of the subject with regards to pregnancy.  | Pregnancy Status                 |
| C124633          | PREIMLSP               | Pre-implantation Loss Percent    | The percentage of released ova that failed to implant, calculated as the number of corpora lutea minus the number of implantations, divided by the number of corpora lutea and multiplied by 100. | Pre-implantation Loss Percent    |
| C124634          | PSTIMLSP               | Post-implantation Loss Percent   | The percentage of implants that died, calculated as the number of intrauterine deaths divided by the number of implantations and multiplied by 100.   | Post-implantation Loss Percent   |
| C124635          | RSRPENUM               | Number of Early Resorptions      | A measurement of the number of early resorptions in the uterus/uterine horn(s).   | Number of Early Resorptions      |
| C124636          | RSRPLNUM               | Number of Late Resorptions       | A measurement of the number of late resorptions in the uterus/uterine horn(s).  | Number of Late Resorptions       |
| C124637          | RSRPNUM                | Number of Resorptions            | A measurement of the total number of resorptions (early plus late) in the uterus/uterine horn(s).   | Number of Resorptions            |

## RELTYPE (Relationship Type)

NCI Code: C78737, Codelist extensible: No

| C78737 RELTYPE |                        |               |  |                    |
|----------------|------------------------|---------------|--|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym | CDISC Definition                           | NCI Preferred Term |
| C78728         | MANY                   | Many;Several  | More than one. (NCI)                       | Many               |
| C66832         | ONE                    |               | A textual representation of the numeral 1. | One                |



## ROUTE (Route of Administration)

NCI Code: C66729, Codelist extensible: Yes

| C66729 ROUTE |                        |                                       |  |  |
|--------------|------------------------|---------------------------------------|--|--|
| NCI Code     | CDISC Submission Value | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term                                 |
| C38192       | AURICULAR (OTIC)       |                                       | Administration to or by way of the ear. (FDA)  | Auricular Route of Administration                  |
| C38193       | BUCCAL                 |                                       | Administration directed toward the cheek, generally from within the mouth. (FDA)   | Buccal Route of Administration                     |
| C38194       | CONJUNCTIVAL           |                                       | Administration to the conjunctiva, the delicate membrane that lines the eyelids and covers the exposed surface of the eyeball. (FDA) | Conjunctival Route of Administration               |
| C38675       | CUTANEOUS              |                                       | Administration to the skin. (FDA)  | Cutaneous Route of Administration                  |
| C38197       | DENTAL                 |                                       | Administration to a tooth or teeth. (FDA)  | Dental Route of Administration                     |
| C78373       | DIETARY                |                                       | Administration by way of food stuff. (NCI)   | Dietary Route of Administration                    |
| C38633       | ELECTRO-OSMOSIS        |                                       | Administration of through the diffusion of substance through a membrane in an electric field. (FDA)                                  | Electro-osmosis Route of Administration            |
| C38205       | ENDOCERVICAL           | Intracervical Route of Administration | Administration within the canal of the cervix uteri. Synonymous with the term intracervical. (FDA)                                   | Endocervical Route of Administration               |
| C38206       | ENDOSINUSIAL           |                                       | Administration within the nasal sinuses of the head. (FDA)   | Endosinusial Route of Administration               |
| C38208       | ENDOTRACHEAL           | Intratracheal Route of Administration | Administration directly into the trachea. Synonymous with the term intratracheal. (FDA)  | Endotracheal Route of Administration               |
| C38209       | ENTERAL                |                                       | Administration directly into the intestines. (FDA)   | Enteral Route of Administration                    |
| C38210       | EPIDURAL               |                                       | Administration upon or over the dura mater. (FDA)  | Epidural Route of Administration                   |
| C38211       | EXTRA-AMNIOTIC         |                                       | Administration to the outside of the membrane enveloping the fetus. (FDA)  | Extraamniotic Route of Administration              |
| C38212       | EXTRACORPOREAL         |                                       | Administration outside of the body. (FDA)  | Extracorporeal Circulation Route of Administration |
| C38200       | HEMODIALYSIS           |                                       | Administration through hemodialysate fluid. (FDA)  | Administration via Hemodialysis                    |
| C38215       | INFILTRATION           |                                       | Administration that results in substances passing into tissue spaces or into cells. (FDA)  | Infiltration Route of Administration               |
| C38219       | INTERSTITIAL           |                                       | Administration to or in the interstices of a tissue. (FDA)   | Interstitial Route of Administration               |
| C38220       | INTRA-ABDOMINAL        |                                       | Administration within the abdomen. (FDA)   | Intraabdominal Route of Administration             |
| C38221       | INTRA-AMNIOTIC         |                                       | Administration within the amnion. (FDA)  | Intraamniotic Route of Administration              |
| C38222       | INTRA-ARTERIAL         |                                       | Administration within an artery or arteries. (FDA)   | Intraarterial Route of Administration              |
| C38223       | INTRA-ARTICULAR        |                                       | Administration within a joint. (FDA)   | Intraarticular Route of Administration             |
| C38224       | INTRABILIARY           |                                       | Administration within the bile, bile ducts or gallbladder. (FDA)   | Intrabiliary Route of Administration               |
| C38225       | INTRABRONCHIAL         |                                       | Administration within a bronchus. (FDA)  | Intrabronchial Route of Administration             |
| C38226       | INTRABURSAL            |                                       | Administration within a bursa. (FDA)   | Intrabursal Route of Administration                |
| C64984       | INTRACAMERAL           |                                       | Administration by injection directly into the anterior chamber of the eye.   | Intracameral Route of Administration               |
| C38227       | INTRACARDIAC           |                                       | Administration within the heart. (FDA)   | Intracardiac Route of Administration               |

| C66729 ROUTE |                          |               |   |  |
|--------------|--------------------------|---------------|---|--|
| NCI Code     | CDISC Submission Value   | CDISC Synonym | CDISC Definition  | NCI Preferred Term                               |
| C38228       | INTRACARTILAGINOUS       |               | Administration within a cartilage; endochondral. (FDA)  | Intracartilaginous Route of Administration       |
| C38229       | INTRACAUDAL              |               | Administration within the cauda equina. (FDA)   | Intracaudal Route of Administration              |
| C38230       | INTRACAVERNOUS           |               | Administration within a pathologic cavity, such as occurs in the lung in tuberculosis. (FDA)  | Intracavernous Route of Administration           |
| C38231       | INTRACAVITARY            |               | Administration within a non-pathologic cavity, such as that of the cervix, uterus, or penis, or such as that is formed as the result of a wound. (FDA)                          | Intracavitary Route of Administration            |
| C38232       | INTRACEREBRAL            |               | Administration within the cerebrum. (FDA)   | Intracerebral Route of Administration            |
| C38233       | INTRACISTERNAL           |               | Administration within the cisterna magna cerebellomedularis. (FDA)  | Intracisternal Route of Administration           |
| C38234       | INTRACORNEAL             |               | Administration within the cornea (the transparent structure forming the anterior part of the fibrous tunic of the eye). (FDA)   | Intracorneal Route of Administration             |
| C38217       | INTRACORONAL, DENTAL     |               | Administration of a drug within a portion of a tooth which is covered by enamel and which is separated from the roots by a slightly constricted region known as the neck. (FDA) | Intracoronaral Dental Route of Administration    |
| C38218       | INTRACORONARY            |               | Administration within the coronary arteries. (FDA)  | Intracoronary Route of Administration            |
| C38235       | INTRACORPORUS CAVERNOSUM |               | Administration within the dilatable spaces of the corpus cavernosa of the penis. (FDA)  | Intracorporus Cavernosum Route of Administration |
| C38238       | INTRADERMAL              |               | Administration within the dermis. (FDA)   | Intradermal Route of Administration              |
| C38239       | INTRADISCAL              |               | Administration within a disc. (FDA)   | Intradiscal Route of Administration              |
| C38240       | INTRADUCTAL              |               | Administration within the duct of a gland. (FDA)  | Intraductal Route of Administration              |
| C38241       | INTRADUODENAL            |               | Administration within the duodenum. (FDA)   | Intraduodenal Route of Administration            |
| C38242       | INTRADURAL               |               | Administration within or beneath the dura. (FDA)  | Intradural Route of Administration               |
| C38243       | INTRAEPIDERMAL           |               | Administration within the epidermis. (FDA)  | Intraepidermal Route of Administration           |
| C38245       | INTRAESOPHAGEAL          |               | Administration within the esophagus. (FDA)  | Intraesophageal Route of Administration          |
| C38246       | INTRAGASTRIC             |               | Administration within the stomach. (FDA)  | Intragastric Route of Administration             |
| C38247       | INTRAGINGIVAL            |               | Administration within the gingivae. (FDA)   | Intragingival Route of Administration            |
| C38248       | INTRAHEPATIC             |               | Administration into the liver.  | Intrahepatic Route of Administration             |
| C38249       | INTRAILEAL               |               | Administration within the distal portion of the small intestine, from the jejunum to the cecum. (FDA)   | Intraileal Route of Administration               |
| C102399      | INTRAJEJUNAL             |               | Administration into the jejunum.  | Intrajejunal Route of Administration             |
| C38250       | INTRALESIONAL            |               | Administration within or introduced directly into a localized lesion. (FDA)   | Intralesional Route of Administration            |
| C38251       | INTRALUMINAL             |               | Administration within the lumen of a tube. (FDA)  | Intraluminal Route of Administration             |
| C38252       | INTRALYMPHATIC           |               | Administration within the lymph. (FDA)  | Intralymphatic Route of Administration           |
| C38253       | INTRAMEDULLARY           |               | Administration within the marrow cavity of a bone. (FDA)  | Intramedullary Route of Administration           |

| C66729 ROUTE |                        |                                    |   |  |
|--------------|------------------------|------------------------------------|---|--|
| NCI Code     | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                       |
| C38254       | INTRAMENINGEAL         |                                    | Administration within the meninges (the three membranes that envelope the brain and spinal cord). (FDA)                                       | Intrameningeal Route of Administration   |
| C28161       | INTRAMUSCULAR          |                                    | Administration within a muscle. (FDA)   | Intramuscular Route of Administration    |
| C38255       | INTRAOCULAR            |                                    | Administration within the eye. (FDA)  | Intraocular Route of Administration      |
| C38256       | INTRAOVARIAN           |                                    | Administration within the ovary. (FDA)  | Intraovarian Route of Administration     |
| C102400      | INTRAPALATAL           |                                    | Administration into the palate.   | Intrapalatal Route of Administration     |
| C119548      | INTRAPARENCHYMAL       |                                    | Administration within or into the parenchyma of a targeted organ.   | Intraparenchymal Route of Administration |
| C38257       | INTRAPERICARDIAL       |                                    | Administration within the pericardium. (FDA)  | Intrapericardial Route of Administration |
| C38258       | INTRAPERITONEAL        |                                    | Administration within the peritoneal cavity. (FDA)  | Intraperitoneal Route of Administration  |
| C38259       | INTRAPLEURAL           |                                    | Administration within the pleura. (FDA)   | Intrapleural Route of Administration     |
| C38260       | INTRAPROSTATIC         |                                    | Administration within the prostate gland. (FDA)   | Intraprostatic Route of Administration   |
| C38261       | INTRAPULMONARY         |                                    | Administration within the lungs or its bronchi. (FDA)   | Intrapulmonary Route of Administration   |
| C38262       | INTRASINAL             |                                    | Administration within the nasal or periorbital sinuses. (FDA)   | Intrasinal Route of Administration       |
| C38263       | INTRASPINAL            |                                    | Administration within the vertebral column. (FDA)   | Intraspinal Route of Administration      |
| C65138       | INTRASTOMAL            |                                    | Administration into a stoma.  | Administration via Stoma                 |
| C38264       | INTRASYNOVIAL          |                                    | Administration within the synovial cavity of a joint. (FDA)   | Intrasynovial Route of Administration    |
| C38265       | INTRATENDINOUS         |                                    | Administration within a tendon. (FDA)   | Intratendinous Route of Administration   |
| C38266       | INTRATESTICULAR        |                                    | Administration within the testicle. (FDA)   | Intratesticular Route of Administration  |
| C38267       | INTRATHECAL            |                                    | Administration within the cerebrospinal fluid at any level of the cerebrospinal axis, including injection into the cerebral ventricles. (FDA) | Intrathecal Route of Administration      |
| C38207       | INTRATHORACIC          |                                    | Administration within the thorax (internal to the ribs); synonymous with the term endothoracic. (FDA)   | Endothoracic Route of Administration     |
| C38268       | INTRATUBULAR           |                                    | Administration within the tubules of an organ. (FDA)  | Intratubular Route of Administration     |
| C38269       | INTRATUMOR             | Intratumor Route of Administration | Administration within a tumor. (FDA)  | Intratumoral Route of Administration     |
| C38270       | INTRATYMPANIC          |                                    | Administration within the auris media. (FDA)  | Intratympanic Route of Administration    |
| C38272       | INTRAUTERINE           |                                    | Administration within the uterus. (FDA)   | Intrauterine Route of Administration     |
| C38273       | INTRAVASCULAR          |                                    | Administration within a vessel or vessels. (FDA)  | Intravascular Route of Administration    |
| C38276       | INTRAVENOUS            |                                    | Administration within or into a vein or veins. (FDA)  | Intravenous Route of Administration      |
| C38274       | INTRAVENOUS BOLUS      |                                    | Administration within or into a vein or veins all at once. (FDA)  | Intravenous Bolus                        |
| C38279       | INTRAVENOUS DRIP       |                                    | Administration within or into a vein or veins over a sustained period of time. (FDA)  | Intravenous Drip                         |

| C66729 ROUTE |                              |                                      |  |  |
|--------------|------------------------------|--------------------------------------|--|--|
| NCI Code     | CDISC Submission Value       | CDISC Synonym                        | CDISC Definition   | NCI Preferred Term                       |
| C38277       | INTRAVENTRICULAR             |                                      | Administration within a ventricle. (FDA)   | Intraventricular Route of Administration |
| C38278       | INTRAVESICAL                 |                                      | Administration within the bladder. (FDA)   | Intravesical Route of Administration     |
| C38280       | INTRAVITREAL                 |                                      | Administration within the vitreous body of the eye. (FDA)  | Intravitreal Route of Administration     |
| C38203       | IONTOPHORESIS                |                                      | Administration by means of an electric current where ions of soluble salts migrate into the tissues of the body. (FDA) | Iontophoresis Route of Administration    |
| C38281       | IRRIGATION                   |                                      | Administration to bathe or flush open wounds or body cavities. (FDA)   | Irrigation-Route of Administration       |
| C38282       | LARYNGEAL                    |                                      | Administration directly upon the larynx. (FDA)   | Laryngeal Route of Administration        |
| C38284       | NASAL                        | Intranasal Route of Administration   | Administration to the nose; administered by way of the nose. (FDA)   | Nasal Route of Administration            |
| C38285       | NASOGASTRIC                  |                                      | Administration through the nose and into the stomach, usually by means of a tube. (FDA)                                | Nasogastric Route of Administration      |
| C48623       | NOT APPLICABLE               |                                      | Routes of administration are not applicable. (FDA)   | Route of Administration Not Applicable   |
| C38286       | OCCLUSIVE DRESSING TECHNIQUE |                                      | Administration by the topical route which is then covered by a dressing which occludes the area. (FDA)                 | Occlusive Dressing Technique             |
| C38287       | OPHTHALMIC                   |                                      | Administration to the external eye. (FDA)  | Ophthalmic Route of Administration       |
| C38288       | ORAL                         | Intraoral Route of Administration;PO | Administration to or by way of the mouth. (FDA)  | Oral Route of Administration             |
| C78374       | ORAL GAVAGE                  |                                      | Administration through the mouth and into the stomach, usually by means of a tube. (NCI)                               | Oral Gavage Route of Administration      |
| C64906       | OROMUCOSAL                   |                                      | Administration across the mucosa of the oral cavity.   | Oromucosal Route of Administration       |
| C38289       | OROPHARYNGEAL                |                                      | Administration directly to the mouth and pharynx. (FDA)  | Oropharyngeal Route of Administration    |
| C38291       | PARENTERAL                   |                                      | Administration by injection, infusion, or implantation. (FDA)  | Parenteral Route of Administration       |
| C38676       | PERCUTANEOUS                 |                                      | Administration through the skin. (FDA)   | Percutaneous Route of Administration     |
| C38292       | PERIARTICULAR                |                                      | Administration around a joint. (FDA)   | Periarticular Route of Administration    |
| C38677       | PERIDURAL                    |                                      | Administration to the outside of the dura mater of the spinal cord. (FDA)  | Peridural Route of Administration        |
| C38293       | PERINEURAL                   |                                      | Administration surrounding a nerve or nerves. (FDA)  | Perineural Route of Administration       |
| C38294       | PERIODONTAL                  |                                      | Administration around a tooth. (FDA)   | Periodontal Route of Administration      |
| C112396      | PERIVENOUS                   |                                      | Administration into the area surrounding a vein. (NCI)   | Perivenous Route of Administration       |
| C38295       | RECTAL                       |                                      | Administration to the rectum. (FDA)  | Rectal Route of Administration           |
| C38216       | RESPIRATORY (INHALATION)     |                                      | Administration within the respiratory tract by inhaling orally or nasally for local or systemic effect. (FDA)          | Inhalation Route of Administration       |
| C38296       | RETROBULBAR                  |                                      | Administration behind the pons or behind the eyeball. (FDA)  | Retrobulbar Route of Administration      |
| C38198       | SOFT TISSUE                  |                                      | Administration into any soft tissue. (FDA)   | Soft Tissue Route of Administration      |
| C38297       | SUBARACHNOID                 |                                      | Administration beneath the arachnoid. (FDA)  | Subarachnoid Route of Administration     |

| C66729 ROUTE |                        |                                      |  |   |
|--------------|------------------------|--------------------------------------|--|---|
| NCI Code     | CDISC Submission Value | CDISC Synonym                        | CDISC Definition   | NCI Preferred Term                      |
| C38298       | SUBCONJUNCTIVAL        | SC;Subdermal Route of Administration | Administration beneath the conjunctiva. (FDA)  | Subconjunctival Route of Administration |
| C38299       | SUBCUTANEOUS           |                                      | Administration beneath the skin; hypodermic. Synonymous with the term SUBDERMAL. (FDA)   | Subcutaneous Route of Administration    |
| C38300       | SUBLINGUAL             |                                      | Administration beneath the tongue. (FDA)   | Sublingual Route of Administration      |
| C38301       | SUBMUCOSAL             |                                      | Administration beneath the mucous membrane. (FDA)  | Submucosal Route of Administration      |
| C94636       | SUBTENON               |                                      | Administration by injection through the membrane covering the muscles and nerves at the back of the eyeball.                           | Subtenon Route of Administration        |
| C38304       | TOPICAL                | TOP                                  | Administration to a particular spot on the outer surface of the body. The E2B term TRANSMAMMARY is a subset of the term TOPICAL. (FDA) | Topical Route of Administration         |
| C38305       | TRANSDERMAL            |                                      | Administration through the dermal layer of the skin to the systemic circulation by diffusion. (FDA)                                    | Transdermal Route of Administration     |
| C111326      | TRANSMAMMARY           |                                      | Administration by ingestion of colostrum or breast milk.   | Transmammary Route of Administration    |
| C38283       | TRANSMUCOSAL           |                                      | Administration across the mucosa. (FDA)  | Mucosal Route of Administration         |
| C38307       | TRANSPLACENTAL         |                                      | Administration through or across the placenta. (FDA)   | Transplacental Route of Administration  |
| C38308       | TRANSTRACHEAL          |                                      | Administration through the wall of the trachea. (FDA)  | Transtracheal Route of Administration   |
| C38309       | TRANSTYMPANIC          |                                      | Administration across or through the tympanic cavity. (FDA)  | Transtympanic Route of Administration   |
| C38310       | UNASSIGNED             |                                      | Route of administration has not yet been assigned. (FDA)   | Unassigned Route of Administration      |
| C38311       | UNKNOWN                |                                      | Route of administration is unknown. (FDA)  | Unknown Route of Administration         |
| C38312       | URETERAL               |                                      | Administration into the ureter. (FDA)  | Ureteral Route of Administration        |
| C38271       | URETHRAL               |                                      | Administration into the urethra. (FDA)   | Intraurethral Route of Administration   |
| C38313       | VAGINAL                |                                      | Administration into the vagina. (FDA)  | Vaginal Route of Administration         |

**SBCCDSND (SEND Subject Characteristics Test Code)**

NCI Code: C89981, Codelist extensible: Yes

| <b>C89981 SBCCDSND</b> |                               |  |   |                            |
|------------------------|-------------------------------|--|---|----------------------------|
| <b>NCI Code</b>        | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b>                             | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>  |
| C90353                 | ALTID                         | Alternate Identifier                             | A secondary sequence of characters used to identify a subject.                        | Alternate Identifier       |
| C90383                 | FEEDREG                       | Feeding Regimen                                  | A plan that specifies a diet, amount and schedule of nutritional intake.              | Feeding Regimen            |
| C90392                 | HAIRCOLR                      | Hair Coat Color                                  | The hue of a subject's hair or fur. (NCI)   | Hair Coat Color            |
| C90435                 | PHYMARK                       | Physical Marking                                 | A distinctive observable characteristic of an object. (NCI)                           | Physical Marking           |
| C90474                 | SPLRLOC                       | Test Subject Supplier Site                       | The geographic location of the organization that supplied the test subjects.          | Test Subject Supplier Site |
| C90473                 | SPLRNAM                       | Test Subject Supplier;Test Subject Supplier Name | The name of the organization that supplied the test subjects. (NCI)                   | Test Subject Supplier      |
| C68551                 | USDANUM                       | USDA Number                                      | Numeric ID assignment by United States Department of Agriculture for test facilities. | USDA_ID                    |

**SBCSND (SEND Subject Characteristics Test Name)**

NCI Code: C89980, Codelist extensible: Yes

| <b>C89980 SBCSND</b> |                               |  |   |                            |
|----------------------|-------------------------------|--|---|----------------------------|
| <b>NCI Code</b>      | <b>CDISC Submission Value</b> | <b>CDISC Synonym</b>                             | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>  |
| C90353               | Alternate Identifier          | Alternate Identifier                             | A secondary sequence of characters used to identify a subject.                        | Alternate Identifier       |
| C90383               | Feeding Regimen               | Feeding Regimen                                  | A plan that specifies a diet, amount and schedule of nutritional intake.              | Feeding Regimen            |
| C90392               | Hair Coat Color               | Hair Coat Color                                  | The hue of a subject's hair or fur. (NCI)   | Hair Coat Color            |
| C90435               | Physical Marking              | Physical Marking                                 | A distinctive observable characteristic of an object. (NCI)                           | Physical Marking           |
| C90473               | Test Subject Supplier Name    | Test Subject Supplier;Test Subject Supplier Name | The name of the organization that supplied the test subjects. (NCI)                   | Test Subject Supplier      |
| C90474               | Test Subject Supplier Site    | Test Subject Supplier Site                       | The geographic location of the organization that supplied the test subjects.          | Test Subject Supplier Site |
| C68551               | USDA Number                   | USDA Number                                      | Numeric ID assignment by United States Department of Agriculture for test facilities. | USDA_ID                    |

**SCVTST (SEND Cardiovascular Test Name)**

NCI Code: C120533, Codelist extensible: Yes

| <b>C120533 SCVTST</b> |   |   |   |   |
|-----------------------|---|---|---|---|
| <b>NCI Code</b>       | <b>CDISC Submission Value</b>           | <b>CDISC Synonym</b>  | <b>CDISC Definition</b>   | <b>NCI Preferred Term</b>               |
| C120914               | Activity                                | Activity  | A measurement of a subject's physical activity or movement.   | Physical Activity Measurement           |
| C25299                | Diastolic Blood Pressure                | Diastolic Blood Pressure                                    | The blood pressure after the contraction of the heart while the chambers of the heart refill with blood. (NCI)  | Diastolic Blood Pressure                |
| C120915               | dP/dt Average                           | dP/dt Average   | The average rate of pressure change over time within the left ventricle (systole).  | dP/dt Average                           |
| C49677                | Heart Rate                              | Heart Rate  | The number of heartbeats per unit of time, usually expressed as beats per minute. (NCI)   | Heart Rate                              |
| C120919               | Left Ventricular End Diastolic Pressure | Left Ventricular End Diastolic Pressure                     | The pressure within the left ventricle of the heart at the end of the period when the chambers of the heart refill with blood and just before the contraction begins.   | Left Ventricular End Diastolic Pressure |
| C120918               | Left Ventricular Maximum Negative dP/dt | -dP/dt;Left Ventricular Maximum Negative dP/dt              | The maximum rate of negative pressure change over time within the left ventricle (diastole).  | Left Ventricular Maximum Negative dP/dt |
| C120916               | Left Ventricular Maximum Positive dP/dt | Left Ventricular Maximum Positive dP/dt;dPdt Maximum;+dPdt  | The maximum rate of positive pressure change over time within the left ventricle (systole).   | Left Ventricular Maximum Positive dP/dt |
| C120917               | Left Ventricular Minimum Positive dP/dt | Left Ventricular Minimum Positive dP/dt;dPdt Minimum        | The minimum rate of positive pressure change over time within the left ventricle (systole).   | Left Ventricular Minimum Positive dP/dt |
| C120920               | Left Ventricular Systolic Pressure      | Left Ventricular Systolic Pressure                          | The pressure within the left ventricle of the heart during the contraction of the left ventricle of the heart.  | Left Ventricular Systolic Pressure      |
| C49679                | Mean Arterial Pressure                  | Mean Arterial Pressure                                      | The mean pressure of the blood within the arterial circulation. The arterial pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. The mean arterial pressure (MAP) can be calculated by subsequent analysis of the waveform. MAP can be approximated without an invasive procedure using the following formula: diastolic pressure plus 1/3 of the pulse pressure, where pulse pressure is systolic pressure - diastolic pressure. (NCI) | Mean Arterial Pressure                  |
| C121185               | Pressure at dP/dt Maximum               | Left Ventricular Pressure Maximum;Pressure at dP/dt Maximum | The positive pressure that correlates with the maximum dP/dt, the rate of change in pressure over time.   | Pressure at dP/dt Maximum               |
| C121186               | Pressure at dP/dt Minimum               | Left Ventricular Pressure Minimum;Pressure at dP/dt Minimum | The positive pressure that correlates with the minimum dP/dt, the rate of change in pressure over time.   | Pressure at dP/dt Minimum               |
| C100945               | Pulse Pressure                          | Pulse Pressure  | The change in systolic to diastolic pressure which produces a pulse.  | Pulse Pressure                          |
| C120921               | Summary (Max) QA Interval               | Summary (Max) QA Interval                                   | The maximum time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.  | Maximum QA Interval                     |
| C120922               | Summary (Mean) QA Interval              | Summary (Mean) QA Interval                                  | The mean time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.   | Mean QA Interval                        |
| C120923               | Summary (Median) QA Interval            | Summary (Median) QA Interval                                | The median time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.   | Median QA Interval                      |
| C120924               | Summary (Min) QA Interval               | Summary (Min) QA Interval                                   | The minimum time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.  | Minimum QA Interval                     |
| C25298                | Systolic Blood Pressure                 | Systolic Blood Pressure                                     | The blood pressure during the contraction of the left ventricle of the heart. (NCI)   | Systolic Blood Pressure                 |
| C119248               | Total Peripheral Resistance             | Systemic Vascular Resistance;Total Peripheral Resistance    | The resistance to blood flow through the systemic vasculature.  | Systemic Vascular Resistance            |



## SCVTSTCD (SEND Cardiovascular Test Code)

NCI Code: C120532, Codelist extensible: Yes

| C120532 SCVTSTCD |                        |   |   |   |
|------------------|------------------------|---|---|---|
| NCI Code         | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                      |
| C120914          | ACTIVITY               | Activity  | A measurement of a subject's physical activity or movement.   | Physical Activity Measurement           |
| C25299           | DIABP                  | Diastolic Blood Pressure                                    | The blood pressure after the contraction of the heart while the chambers of the heart refill with blood. (NCI)  | Diastolic Blood Pressure                |
| C120915          | DPDTAVG                | dP/dt Average   | The average rate of pressure change over time within the left ventricle (systole).  | dP/dt Average                           |
| C120916          | DPDTMAX                | Left Ventricular Maximum Positive dP/dt;dPdt Maximum;+dPdt  | The maximum rate of positive pressure change over time within the left ventricle (systole).   | Left Ventricular Maximum Positive dP/dt |
| C120917          | DPDTMIN                | Left Ventricular Minimum Positive dP/dt;dPdt Minimum        | The minimum rate of positive pressure change over time within the left ventricle (systole).   | Left Ventricular Minimum Positive dP/dt |
| C120918          | DPDTNEG                | -dP/dt;Left Ventricular Maximum Negative dP/dt              | The maximum rate of negative pressure change over time within the left ventricle (diastole).  | Left Ventricular Maximum Negative dP/dt |
| C49677           | HR                     | Heart Rate  | The number of heartbeats per unit of time, usually expressed as beats per minute. (NCI)   | Heart Rate                              |
| C120919          | LVEDP                  | Left Ventricular End Diastolic Pressure                     | The pressure within the left ventricle of the heart at the end of the period when the chambers of the heart refill with blood and just before the contraction begins.   | Left Ventricular End Diastolic Pressure |
| C120920          | LVSYSBP                | Left Ventricular Systolic Pressure                          | The pressure within the left ventricle of the heart during the contraction of the left ventricle of the heart.  | Left Ventricular Systolic Pressure      |
| C49679           | MAP                    | Mean Arterial Pressure                                      | The mean pressure of the blood within the arterial circulation. The arterial pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. The mean arterial pressure (MAP) can be calculated by subsequent analysis of the waveform. MAP can be approximated without an invasive procedure using the following formula: diastolic pressure plus 1/3 of the pulse pressure, where pulse pressure is systolic pressure - diastolic pressure. (NCI) | Mean Arterial Pressure                  |
| C121185          | PDPDTMAX               | Left Ventricular Pressure Maximum;Pressure at dP/dt Maximum | The positive pressure that correlates with the maximum dP/dt, the rate of change in pressure over time.   | Pressure at dP/dt Maximum               |
| C121186          | PDPDTMIN               | Left Ventricular Pressure Minimum;Pressure at dP/dt Minimum | The positive pressure that correlates with the minimum dP/dt, the rate of change in pressure over time.   | Pressure at dP/dt Minimum               |
| C100945          | PULSEPR                | Pulse Pressure  | The change in systolic to diastolic pressure which produces a pulse.  | Pulse Pressure                          |
| C120921          | QAMAX                  | Summary (Max) QA Interval                                   | The maximum time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.  | Maximum QA Interval                     |
| C120922          | QAMEAN                 | Summary (Mean) QA Interval                                  | The mean time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.   | Mean QA Interval                        |
| C120923          | QAMEDIAN               | Summary (Median) QA Interval                                | The median time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.   | Median QA Interval                      |
| C120924          | QAMIN                  | Summary (Min) QA Interval                                   | The minimum time interval between the Q wave on an ECG and the onset of the aortic blood pressure pulse.  | Minimum QA Interval                     |
| C25298           | SYSBP                  | Systolic Blood Pressure                                     | The blood pressure during the contraction of the left ventricle of the heart. (NCI)   | Systolic Blood Pressure                 |
| C119248          | TPR                    | Systemic Vascular Resistance;Total Peripheral Resistance    | The resistance to blood flow through the systemic vasculature.  | Systemic Vascular Resistance            |

## SDOMAIN (SEND Domain Abbreviation)

NCI Code: C111113, Codelist extensible: Yes

| C111113 SDOMAIN |                        |  |  |   |
|-----------------|------------------------|--|--|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term                                  |
| C95083          | BG                     | Body Weight Gain                             | Body weight gain is the actual difference between two body weight measurements for any given interval for a subject. This is most commonly shown as the difference between two consecutive body weight measurements.   | Body Weight Gain Domain                             |
| C95084          | BH                     | Behavioral                                   | This domain captures behavioral testing measurements on individual subjects.   | Behavioral Domain                                   |
| C95085          | BW                     | Body Weight                                  | This domain captures body weights collected for subjects during the study and at the end of the study (terminal body weights).   | Body Weight Domain                                  |
| C95086          | CL                     | Clinical Observation                         | This domain captures clinical sign information including ophthalmology, physical examination, and dermal examination collected in life while executing the study.  | Clinical Observation Domain                         |
| C49569          | CO                     | Comments                                     | The Comments dataset accommodates two sources of comments: 1) those collected alongside other data on topical case report form (CRF) pages such as Adverse Events and 2) those collected on a separate page specifically dedicated to comments.                                | Comment Domain                                      |
| C102605         | CV                     | Cardiovascular System Findings               | A domain for physiological findings related to the cardiovascular system, including the heart, blood vessels and lymphatic vessels.  | Cardiovascular System Findings Domain               |
| C95087          | DD                     | Death Diagnosis                              | This domain captures the diagnosis of the cause of death for a subject.  | Death Diagnosis Domain                              |
| C49572          | DM                     | Demographics                                 | The Demographics domain includes a set of essential standard variables that describe each subject in a clinical study. It is the parent domain for all other observations for human clinical subjects.   | Demographics Domain                                 |
| C49576          | DS                     | Disposition                                  | A subject domain utilized for the submission of information encompassing and representing data, vocabulary or records related to disposition. (NCI)  | Disposition Domain                                  |
| C49626          | EG                     | Electrocardiogram                            | Findings related to the collection of ECG data, including position of the subject, method of evaluation, all cycle measurements and all findings from the ECG including an overall interpretation if collected or derived.   | Electrocardiogram Domain                            |
| C49587          | EX                     | Exposure                                     | The Exposure domain model records the details of a subject's exposure to protocol-specified study treatment. Study treatment may be any intervention that is prospectively defined as a test material within a study, and is typically but not always supplied to the subject. | Exposure Domain                                     |
| C95089          | FE                     | Fertility                                    | This domain captures test results relative to male and female fertility.   | Fertility Domain                                    |
| C106522         | FM                     | Fetal Measurements                           | The fetal measurements domain captures individual fetal body and tissue weights, as well as growth measurements.   | Fetal Measurements Domain                           |
| C95090          | FW                     | Food And Water                               | This domain captures food/water consumption of animals in the study. The data in this domain is derived data.  | Food and Water Consumption Domain                   |
| C95091          | FX                     | Fetal and Neonatal Developmental Morphology  | This domain captures observations for fetal and pup morphological examinations.  | Fetal and Neonatal Developmental Morphology Domain  |
| C95092          | IC                     | Implantation Classification                  | The Implantation Classification domain provides a record for each implantation identified for the scheduled cesarean section component of a study.   | Implantation Classification Domain                  |
| C49592          | LB                     | Laboratory Data                              | Laboratory test findings including, but is not limited to hematology, clinical chemistry and urinalysis data. This domain does not include microbiology or pharmacokinetic data, which are stored in separate domains.   | Laboratory Data Domain                              |
| C95093          | LR                     | Cesarean Section and Delivery Litter Results | This domain captures litter based results in female animals for cesarean section and/or delivery components of a study, including litter survival during preweaning.   | Cesarean Section and Delivery Litter Results Domain |
| C95094          | MA                     | Macroscopic Findings                         | The gross pathology findings recorded at necropsy.   | Macroscopic Findings Domain                         |

| C111113 SDOMAIN |                        |                               |  |                                      |
|-----------------|------------------------|-------------------------------|--|--------------------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym                 | CDISC Definition   | NCI Preferred Term                   |
| C95095          | MI                     | Microscopic Findings          | The histopathology findings and microscopic evaluations recorded.  | Microscopic Findings Domain          |
| C102677         | NV                     | Nervous System Findings       | A domain for physiological findings related to the nervous system, including the brain, spinal cord, the cranial and spinal nerves, autonomic ganglia and plexuses.  | Nervous System Findings Domain       |
| C49605          | OM                     | Organ Measurements            | Findings from organ measurement evaluations.   | Organ Measurement Domain             |
| C102694         | PA                     | Pairing Events                | Nonclinical pairing records for the fertility component of a study.  | Pairing Events Domain                |
| C49606          | PC                     | Pharmacokinetic Concentration | Concentrations of drugs/metabolites in fluids or tissues as a function of time.  | Pharmacokinetic Concentration Domain |
| C95097          | PM                     | Palpable Masses               | This domain captures information of any palpable masses examined during the experimental phase.  | Palpable Masses Domain               |
| C49607          | PP                     | Pharmacokinetic Parameters    | Pharmacokinetic parameters derived from pharmacokinetic concentration-time (PC) data.  | Pharmacokinetic Parameters Domain    |
| C102678         | PY                     | Nonclinical Pregnancy Results | Pregnancy results of female nonclinical subjects.  | Nonclinical Pregnancy Results Domain |
| C95098          | RE                     | Respiratory System Findings   | A domain for physiological findings related to the respiratory system, including the organs that are involved in breathing such as the nose, throat, larynx, trachea, bronchi and lungs.                                 | Respiratory Domain                   |
| C49610          | SC                     | Subject Characteristics       | The subject characteristics domain is for data not collected in other domains that is subject-related.   | Subject Characteristics Domain       |
| C49616          | SE                     | Subject Element               | The subject element table describes the actual order of elements followed by the subject, together with the start date/time and end date/time for each element.  | Subject Element Domain               |
| C95099          | SJ                     | Subject Stages                | The Subject Stages domain captures subject level non-treatment related blocks of time known as stages, such as Gestation, Lactation and Premating.   | Subject Stages Domain                |
| C49618          | TA                     | Trial Arms                    | The trial arms table describes each planned arm in the trial. An arm is described as an ordered sequence of elements.  | Trial Arms Domain                    |
| C49619          | TE                     | Trial Elements                | The trial elements table describes the element code that is unique for each element, the element description, and the rules for starting and ending an element.  | Trial Elements Domain                |
| C95100          | TF                     | Tumor Findings                | This domain captures the tumor findings of the nonclinical subject.  | Tumor Findings Domain                |
| C95101          | TP                     | Trial Paths                   | The trial paths domain is not subject oriented. This domain provides the complete planned non-treatment related sequences of stages for each path in a study.  | Trial Paths Domain                   |
| C53483          | TS                     | Trial Summary                 | The trial summary information domain is not subject oriented. It contains one record for each trial summary characteristic.  | Trial Summary Domain                 |
| C95102          | TT                     | Trial Stages                  | The trial stages domain is not subject oriented. It captures non-treatment related planned blocks of time known as stages, such as Gestation, Lactation and Premating.   | Trial Stages Domain                  |
| C95103          | TX                     | Trial Sets                    | The trial stages domain is not subject oriented. It contains one record for each trial set characteristic including experimental factors, treatment factors, inherent characteristics, or distinct sponsor designations. | Trial Sets Domain                    |
| C49622          | VS                     | Vital Signs                   | Measurements including but not limited to blood pressure, temperature, respiration, body surface area, BMI, height and weight.   | Vital Signs Domain                   |

## SEV (Severity)

NCI Code: C90000, Codelist extensible: No

| C90000 SEV |                        |               |  |                    |
|------------|------------------------|---------------|--|--------------------|
| NCI Code   | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C48662     | MARKED                 |               | The fourth level of severity in an ordered list based on a five-level scale of minimal, mild, moderate, marked, and severe.          | Marked             |
| C70666     | MILD                   | Slight        | The second level of severity in an ordered list based on a five-level scale of minimal, mild, moderate, marked, and severe.          | Mild               |
| C25570     | MINIMAL                | Trace         | The first (lowest) level of severity in an ordered list based on a five-level scale of minimal, mild, moderate, marked, and severe.  | Minimum            |
| C61376     | MODERATE               |               | The third level of severity in an ordered list based on a five-level scale of minimal, mild, moderate, marked, and severe.           | Moderate           |
| C70667     | SEVERE                 |               | The fifth (highest) level of severity in an ordered list based on a five-level scale of minimal, mild, moderate, marked, and severe. | Severe             |

## SEX (Sex)

NCI Code: C66731, Codelist extensible: No

| C66731 SEX |                        |               |   |                    |
|------------|------------------------|---------------|---|--------------------|
| NCI Code   | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term |
| C16576     | F                      | Female        | A person who belongs to the sex that normally produces ova. The term is used to indicate biological sex distinctions, or cultural gender role distinctions, or both. (NCI)    | Female             |
| C20197     | M                      | Male          | A person who belongs to the sex that normally produces sperm. The term is used to indicate biological sex distinctions, cultural gender role distinctions, or both. (NCI)     | Male               |
| C17998     | U                      | U;Unknown     | Not known, not observed, not recorded, or refused. (NCI)  | Unknown            |
| C45908     | UNDIFFERENTIATED       |               | A person (one of unisexual specimens) who is born with genitalia and/or secondary sexual characteristics of indeterminate sex, or which combine features of both sexes. (NCI) | Intersex           |

## SEXPOP (Sex of Participants)

NCI Code: C66732, Codelist extensible: No

| C66732 SEXPOP |                        |               |  |                    |
|---------------|------------------------|---------------|--|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term |
| C49636        | BOTH                   |               | One and the other; relating to or being two in conjunction. (NCI)  | Both               |
| C16576        | F                      | Female        | A person who belongs to the sex that normally produces ova. The term is used to indicate biological sex distinctions, or cultural gender role distinctions, or both. (NCI) | Female             |
| C20197        | M                      | Male          | A person who belongs to the sex that normally produces sperm. The term is used to indicate biological sex distinctions, cultural gender role distinctions, or both. (NCI)  | Male               |

## SNDIGVER (SEND Implementation Guide Version)

NCI Code: C89982, Codelist extensible: Yes

| C89982 SNDIGVER |   |                          |   |   |
|-----------------|---|--------------------------|---|---|
| NCI Code        | CDISC Submission Value  | CDISC Synonym            | CDISC Definition  | NCI Preferred Term  |
| C124638         | SEND DEVELOPMENTAL AND REPRODUCTIVE TOXICOLOGY IMPLEMENTATION GUIDE VERSION 1.0 | SEND IG DART Version 1.0 | The 1.0 version of the standard for exchange of nonclinical data (SEND) developmental and reproductive toxicology implementation guide. | SEND Developmental and Reproductive Toxicology Implementation Guide Version 1.0 |
| C96371          | SEND IMPLEMENTATION GUIDE VERSION 3.0   | SEND IG Version 3.0      | The 3.0 version of the standard for exchange of nonclinical data (SEND) implementation guide. (NCI)                                     | Standard for the Exchange of Nonclinical Data Implementation Guide Version 3.0  |
| C120925         | SEND IMPLEMENTATION GUIDE VERSION 3.1   | SEND IG Version 3.1      | The 3.1 version of the standard for exchange of nonclinical data (SEND) implementation guide. (NCI)                                     | Standard for the Exchange of Nonclinical Data Implementation Guide Version 3.1  |

## SPEC (Specimen)

NCI Code: C77529, Codelist extensible: Yes

| C77529 SPEC |                         |                                    |   |                         |
|-------------|-------------------------|------------------------------------|---|-------------------------|
| NCI Code    | CDISC Submission Value  | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term      |
| C77608      | ABDOMINAL WALL          |                                    | The tissues that surround the organs that are present within the abdominal cavity. The abdominal wall tissue is composed of layers of fat, parietal peritoneum, fascia, and muscles. (NCI)  | Abdominal Wall          |
| C98702      | ABOMASUM                |                                    | The glandular stomach of the ruminant. (NCI)  | Abomasum                |
| C12472      | ADIPOSE TISSUE          | Adipose Tissue;Body Fat;Fat Tissue | A specialized form of connective tissue consisting primarily of adipocytes (fat cells), surrounded by a meshwork of collagen fibers. (NCI)  | Adipose Tissue          |
| C32235      | ADIPOSE TISSUE, BROWN   | BAT;Brown Fat                      | Brown-colored adipose tissue that contains numerous small droplets of lipids and high numbers of mitochondria as its primary function is to generate body heat.   | Brown Adipose Tissue    |
| C33889      | ADIPOSE TISSUE, WHITE   | White Fat                          | Adipose tissue that collects, stores and releases fat in the form of triglycerides. It functions as a heat insulator, mechanical cushion and as a source of energy. White adipose tissue is composed of adipocytes that secrete leptin and other substances that effect energy homeostasis. Its distribution in the body is dependent on the sex of the individual. (NCI) | White Adipose Tissue    |
| C120926     | AIR SAC                 |                                    | A part of the respiratory system in multiple species (predominantly avian) which are variably connected with the lung.  | Air Sac                 |
| C90476      | ALL TISSUES             |                                    | The total collection of tissues within a sample. (NCI)  | Total Tissue            |
| C12440      | AMYGDALOID BODY         | Amygdaloid Nucleus                 | An almond-shaped group of basal nuclei anterior to the inferior horn of the lateral ventricle of the brain, within the temporal lobe. The amygdala is part of the limbic system. (MESH)   | Amygdala                |
| C12372      | ARTERY                  | Artery                             | A blood vessel that carries blood away from the heart. (NCI)  | Artery                  |
| C12669      | ARTERY, AORTA           | Aorta                              | The major arterial trunk that carries oxygenated blood from the left ventricle into the ascending aorta behind the heart, the aortic arch, through the thorax as the descending aorta and through the abdomen as the abdominal aorta; it bifurcates into the left and right common iliac arteries. (NCI)  | Aorta                   |
| C52849      | ARTERY, AURICULAR       |                                    | An artery that supplies oxygenated blood to the ear. (NCI)  | Auricular Artery        |
| C12681      | ARTERY, BRACHIAL        | Brachial Artery                    | An artery originating at the axillary artery and branching into the radial and ulnar arteries. (NCI)  | Brachial Artery         |
| C32814      | ARTERY, BRACHIOCEPHALIC | Innominate Artery                  | An artery arising from the aortic arch that divides into the right common carotid and right subclavian arteries.  | Innominate Artery       |
| C12687      | ARTERY, CAROTID         | Carotid Artery                     | One of two arteries that supply oxygenated blood to the head and neck; the left common carotid branches from the aorta and the right common carotid from the innominate (brachiocephalic artery). (NCI)   | Carotid Artery          |
| C12843      | ARTERY, CORONARY        | Coronary Artery                    | A principal artery that originates in the aorta. It supplies blood to the muscular tissue of the heart. (NCI)   | Coronary Artery         |
| C12715      | ARTERY, FEMORAL         | Femoral Artery                     | An artery that starts within the inguinal region and extends to the lower extremities. (NCI)  | Femoral Artery          |
| C12733      | ARTERY, ILIAC           |                                    | A branch of the abdominal aorta that supplies blood to the lower trunk and the legs. (NCI)  | Iliac Artery            |
| C52941      | ARTERY, MAMMARY         |                                    | The blood vessel that supplies the breast and the anterior chest wall with arterial blood. It is located in the chest wall. (NCI)   | Internal Mammary Artery |
| C52975      | ARTERY, MESENTERIC      |                                    | A branch of the abdominal aorta that supplies blood to the intestines. (NCI)  | Mesenteric Artery       |
| C12774      | ARTERY, PULMONARY       |                                    | Either one of two arteries arising from the pulmonary trunk that carry deoxygenated blood to the lungs.   | Pulmonary Artery        |



| C77529 SPEC |                              |  |   |                       |
|-------------|------------------------------|--|---|-----------------------|
| NCI Code    | CDISC Submission Value       | CDISC Synonym                                | CDISC Definition  | NCI Preferred Term    |
| C12778      | ARTERY, RENAL                |  | Either of two arteries (right or left) that arise from the aorta to supply the kidneys.   | Renal Artery          |
| C33587      | ARTERY, SPINAL               |  | A branch of the intercostal artery that supplies oxygenated blood to the spinal cord and the pia mater. (NCI)   | Spinal Artery         |
| C33643      | ARTERY, SUBCLAVIAN           |  | A paired artery located below the clavicle. The right subclavian artery originates from the brachiocephalic (innominate) artery and the left subclavian artery originates from the aortic arch.   | Subclavian Artery     |
| C13347      | ASPIRATE                     |  | Fluid withdrawn from a body cavity, cyst, or tumor. (NCI)   | Aspirate              |
| C13192      | BILE                         |  | Fluid composed of waste products, bile acids, salts, cholesterol, and electrolytes. It is secreted by the liver parenchyma and stored in the gallbladder. (NCI)   | Bile                  |
| C70699      | BIOSPECIMEN                  | Biological Sample;Biological Specimen;Sample | Any material sample taken from a biological entity for testing, diagnostic, propagation, treatment or research purposes, including a sample obtained from a living organism or taken from the biological object after halting of all its life functions. Biospecimen can contain one or more components including but not limited to cellular molecules, cells, tissues, organs, body fluids, embryos, and body excretory products. (NCI) | Biospecimen           |
| C25444      | BODY CAVITY                  |  | A natural hollow or sinus within the body. (NCI)  | Body Cavity           |
| C12664      | BODY CAVITY, ABDOMINAL       | Abdomen;Abdominal Cavity                     | The portion of the body that lies between the thorax and the pelvis. (NCI)  | Abdomen               |
| C77638      | BODY CAVITY, CRANIAL         |  | The atrium that is formed by the bones of the skull, and contains the brain.  | Cranial Cavity        |
| C92208      | BODY CAVITY, EXTRAPERITONEAL | Extraperitoneal Area;Extraperitoneal Space   | The space of the abdominal and pelvic cavities outside the peritoneum. (NCI)  | Extraperitoneal Space |
| C12424      | BODY CAVITY, NASAL           | Nasal Cavity                                 | The proximal portion of the respiratory passages on either side of the nasal septum lying between the floor of the cranium and the roof of the mouth and extending from the face to the pharynx. The nasal cavity is lined with ciliated mucosa, extending from the nares to the pharynx. (NCI)   | Nasal Cavity          |
| C12421      | BODY CAVITY, ORAL            | Mouth;Oral Cavity                            | The cavity located at the upper end of the alimentary canal, behind the teeth and gums that is bounded on the outside by the lips, above by the hard and soft palates and below by the tongue. (NCI)  | Oral Cavity           |
| C12347      | BODY CAVITY, ORBITAL         | Eye Socket;Ocular Orbit;Orbit;Orbital Cavity | The bony cavity of the skull which contains the eye, anterior portion of the optic nerve, ocular muscles and ocular adnexa. Seven bones contribute to the structure of the orbit: the frontal, maxillary, zygomatic, sphenoid, lacrimal, ethmoid, and palatine bones. (NCI)   | Orbit                 |
| C12767      | BODY CAVITY, PELVIC          | Pelvic Cavity;Pelvic Region;Pelvis           | The bony, basin-shaped structure formed by the hipbones and the base of the backbone supporting the lower limbs in humans. (NCI)  | Pelvis                |
| C38662      | BODY CAVITY, PERICARDIAL     | Pericardial Cavity                           | The potential body space formed between the parietal and visceral layers of the pericardial sac. (NCI)  | Pericardial Cavity    |
| C12769      | BODY CAVITY, PERITONEAL      | Peritoneal Cavity                            | The lower part of the abdomen that contains the intestines (the last part of the digestive tract), the stomach, and the liver. It is bound by thin membranes. (NCI)   | Peritoneal Cavity     |
| C12840      | BODY CAVITY, PLEURAL         | Pleural Cavity                               | The cavity lined by the pleura, located in the thorax and contains heart and lungs. (NCI)   | Pleural Cavity        |
| C12905      | BODY CAVITY, THORACIC        | Thoracic Cavity                              | The cavity in the vertebrate body enclosed by the ribs between the diaphragm and the neck and containing the lungs and heart. (NCI)   | Thoracic Cavity       |
| C13076      | BONE                         |  | The mineralized osseous tissue that gives rigidity to the bones and forms its honeycomb-like three-dimensional internal structure. (NCI)  | Bone Tissue           |

| C77529 SPEC |                        |   |  |                        |
|-------------|------------------------|---|--|------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term     |
| C12431      | BONE MARROW            | Bone Marrow   | The tissue occupying the spaces of bone. It consists of blood vessel sinuses and a network of hematopoietic cells which give rise to the red cells, white cells, and megakaryocytes. (NCI)                       | Bone Marrow            |
| C77686      | BONE MARROW, FEMUR     | Bone Marrow, Femoral  | Bone marrow in the femoral bone. (NCI)   | Bone Marrow, Femur     |
| C77687      | BONE MARROW, HUMERUS   |   | Bone marrow in the humerus bone. (NCI)   | Bone Marrow, Humerus   |
| C77688      | BONE MARROW, RIB       |   | Bone marrow in the rib. (NCI)  | Bone Marrow, Rib       |
| C77689      | BONE MARROW, SCAPULA   |   | Bone marrow in the scapula. (NCI)  | Bone Marrow, Scapula   |
| C77690      | BONE MARROW, STERNUM   | Bone Marrow, Sternal  | Bone marrow in the sternum. (NCI)  | Bone Marrow, Sternum   |
| C77691      | BONE MARROW, TIBIA     |   | Bone marrow in the tibia bone. (NCI)   | Bone Marrow, Tibia     |
| C77692      | BONE MARROW, VERTEBRUM | Bone Marrow, Vertebral                                      | Bone marrow in a vertebral bone. (NCI)   | Bone Marrow, Vertebral |
| C81188      | BONE, CALVARIUM        |   | The roof or dome of the skull. (NCI)   | Skullcap               |
| C12688      | BONE, CARPAL           |   | Any of the small bones of the wrist joint, located between the radius and the ulna and the metacarpus. (NCI)   | Carpal Bone            |
| C12695      | BONE, CLAVICLE         |   | The paired bone that is situated between the sternum and the shoulder.   | Clavicle               |
| C83002      | BONE, CONDYLE          |   | A rounded bony projection at the end of the bone. (NCI)  | Condyle                |
| C12717      | BONE, FEMUR            | Bone, Femoral;Femur   | The upper leg bone positioned between the pelvis and the knee. (NCI)   | Femur                  |
| C12718      | BONE, FIBULA           | Fibula  | The small, lateral calf bone extending from the knee to the ankle. (NCI)   | Fibula                 |
| C12731      | BONE, HUMERUS          | Bone, Humeral;Humerus                                       | The upper arm bone between the shoulder and elbow. (NCI)   | Humerus                |
| C32765      | BONE, ILIUM            | Ilium   | The broad, dorsal, upper, and widest of the three principal bones composing either half of the pelvis. (NCI)   | Ilium                  |
| C12290      | BONE, MANDIBLE         | Bone, Mandibular;Inferior Maxillary Bone;Lower Jaw;Mandible | The lower jaw bone holding the lower teeth. (NCI)  | Mandible               |
| C26470      | BONE, MAXILLA          | Maxilla   | The upper jawbone in vertebrates: it is fused to the cranium. (NCI)  | Maxilla                |
| C33282      | BONE, PATELLA          | Patella   | A small flat triangular bone in front of the knee that articulates with the femur and protects the knee joint. (NCI)   | Patella                |
| C33287      | BONE, PELVIS           | Pelvic Bone;Pelvis Bone                                     | The caudal portion of the trunk, bounded anteriorly and laterally by the two hip bones incorporating the socket portion of the hip joint for each leg. Posteriorly it is bounded by the sacrum and coccyx. (NCI) | Pelvic Bone            |
| C12777      | BONE, RADIUS           | Radius;Radius Bone  | The long bone that extends from the lateral aspect of the elbow to the medial side of the carpus.  | Radius Bone            |
| C12782      | BONE, RIB              |   | Any one of the paired bones, extending from the thoracic vertebrae toward the median line on the ventral aspect of the trunk.  | Rib                    |
| C12783      | BONE, SCAPULA          | Scapula;Shoulder Blade                                      | The flat triangle-shaped bone that connects the humerus with the clavicle in the back of the shoulder. (NCI)   | Scapula                |
| C12789      | BONE, SKULL            | Cranium   | The bones that form the head, made up of the bones of the braincase and face. (NCI)  | Skull                  |
| C12793      | BONE, STERNUM          | Sterna;Sternum  | The long, flat bone connecting with the cartilages of the first seven ribs and the clavicle. (NCI)   | Sternum                |
| C12796      | BONE, TARSUS           | Bone, Tarsal;Tarsus;Tarsus Bone                             | Any one of the seven bones forming the instep of the foot. (NCI)   | Tarsal Bone            |

| C77529 SPEC |                          |                               |  |  |
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| NCI Code    | CDISC Submission Value   | CDISC Synonym                 | CDISC Definition   | NCI Preferred Term                         |
| C12800      | BONE, TIBIA              | Tibia                         | A bone located between the femur and the tarsus, being part of the lower leg. (NCI)  | Tibia                                      |
| C12809      | BONE, ULNA               | Ulna Bone                     | The long bone that extends from the elbow to the lateral side of the carpus.   | Ulna                                       |
| C33868      | BONE, VERTEBRA           | Vertebra;Vertebral Bone       | One of the bones that make up the vertebral column.  | Vertebral Bone                             |
| C12439      | BRAIN                    | Nervous System, Brain         | An organ composed of grey and white matter that is the center for intelligence and reasoning. It is protected by the bony cranium.   | Brain                                      |
| C12447      | BRAIN, BASAL GANGLIA     | Basal Ganglia                 | Clusters of neurons comprising the globus pallidus, putamen, caudate, nucleus accumbens, substantia nigra and subthalamic nucleus. They are involved with high level aspects of inhibitory motor activity in coordination with the excitation commands issued from the cerebellum. (NCI) | Basal Ganglia                              |
| C12441      | BRAIN, BRAIN STEM        | Brain Stem                    | The part of the brain that connects the cerebral hemispheres with the spinal cord. It consists of the mesencephalon, pons, and medulla oblongata. (NCI)  | Brain Stem                                 |
| C49137      | BRAIN, CEREBELLUM        | Cerebellar;Cerebellum         | The cortical cell layer of the cerebellum. It consists of the granular layer, molecular layer, and Purkinje cell layer. (NCI)  | Cortical Cell Layer of the Cerebellum      |
| C49136      | BRAIN, CEREBRUM          | Cerebral Hemispheres;Cerebrum | Cerebral tissue composed of cells with distinctive characteristics. The cerebral cortex contains six cell layers. (NCI)  | Cortical Cell Layer of the Cerebral Cortex |
| C12694      | BRAIN, CHOROID PLEXUS    | Choroid Plexus                | Blood vessels forming villous structures in the third, fourth, and lateral ventricles of the brain. (NCI)  | Choroid Plexus                             |
| C40185      | BRAIN, FOREBRAIN         |                               | The largest part of the brain composed of the cerebral hemispheres, thalamus, hypothalamus, and the limbic system. (NCI)   | Forebrain                                  |
| C12444      | BRAIN, HIPPOCAMPUS       | Hippocampus                   | A curved gray matter structure of the temporal lobe lying on the floor of the lateral ventricle of the brain. (NCI)  | Hippocampus                                |
| C12458      | BRAIN, HYPOTHALAMUS      | Hypothalamus                  | The supervisory center in the brain, rich in ganglia, nerve fibers, and synaptic connections. It is composed of several sections called nuclei, each of which controls a specific function.  | Hypothalamus                               |
| C12442      | BRAIN, MEDULLA OBLONGATA | Medulla Oblongata             | The lower portion of the brainstem located between the pons and brainstem. This structure contains several descending and ascending tracts, lower cranial nerve nuclei, a significant proportion of the reticular system of the brainstem and other structures. (NCI)                    | Medulla Oblongata                          |
| C12510      | BRAIN, MIDBRAIN          | Mesencephalon;Midbrain        | The uppermost portion of the brainstem located between the pons and the diencephalon. The midbrain contains the cerebral peduncles, oculomotor, trochlear and red nuclei, substantia nigra and various other nuclei and tracts. (NCI)  | Mesencephalon                              |
| C92592      | BRAIN, OBEX              |                               | The location of the brain that corresponds to the narrowing of the fourth ventricle into the central canal of the spinal column. (NCI)   | Obex Region                                |
| C28401      | BRAIN, OLFACTORY BULB    | Olfactory Bulb                | Anatomical structure located in the vertebral forebrain that receives neural input regarding odors that have been detected by cells within the nasal cavity. The axons of olfactory receptor cells extend into the olfactory bulb. (NCI)   | Olfactory Bulb                             |
| C12511      | BRAIN, PONS              | Pons Varolii                  | The middle portion of the brainstem located between the midbrain and the medulla oblongata.  | Pons Varolii                               |

| C77529 SPEC |                                     |                             |  |                                     |
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| NCI Code    | CDISC Submission Value              | CDISC Synonym               | CDISC Definition   | NCI Preferred Term                  |
| C12453      | BRAIN, SUBSTANTIA NIGRA             | Substantia Nigra            | A large cell mass extending forward, over the dorsal surface of the crus cerebri, from the rostral border of the pons into the subthalamic region. It is composed of a dorsal stratum of closely spaced pigmented cells, the pars compacta, and a larger ventral region of widely scattered cells, the pars reticulata. The pars compacta includes numerous cells that project forward to the striatum (caudate nucleus and putamen) and contain dopamine, which acts as the primary neurotransmitter at the synaptic endings. Other, apparently non-dopaminergic cells project to portions of the ventral nucleus of thalamus, the superior colliculus and reticular formation. The nigrostriatal projection is reciprocated by a striatonigral fiber system with multiple neurotransmitters, chief among which is gamma-aminobutyric acid (GABA). The substantia nigra is involved in the metabolic disturbances associated with Parkinson's disease and Huntington's disease. (NCI) | Substantia Nigra                    |
| C12459      | BRAIN, THALAMUS                     | Thalamus                    | An ovoid mass composed predominantly of gray substance and associated laminae of white substance. The thalamus is divided into anterior, medial, and lateral parts. The function of the thalamus is to relay sensory impulses and cerebellar and basal ganglia projections to the cerebral cortex. The thalamus is positioned within the posterior part of the diencephalon forming most of each lateral wall of the third ventricle. (NCI)  | Thalamus                            |
| C97340      | BRAIN, VISUAL CORTEX                |                             | A brain region in the occipital cortex that receives visual stimuli from the retina. (NCI)   | Primary Visual Cortex               |
| C12683      | BRONCHUS                            | Bronchi;Bronchus            | Tubular structure in continuation with the trachea, serving as air passage. It terminates in the lung (terminal bronchiole). (NCI)   | Bronchus                            |
| C32234      | BRONCHUS-ASSOCIATED LYMPHOID TISSUE | BALT                        | Lymphoid tissue located with the bronchi.  | Bronchus-Associated Lymphoid Tissue |
| C84507      | BUFFY COAT                          |                             | The middle fraction of an anticoagulated blood specimen following separation by centrifugation. It contains most of the white blood cells and platelets.   | Buffy Coat                          |
| C111141     | BURSA OF FABRICIUS                  |                             | An epithelial outgrowth of lymphoid tissue in the cloaca of young birds, responsible for B-lymphocyte maturation. It undergoes atrophy and involution at six months of age.  | Bursa Of Fabricius                  |
| C25264      | CARINA                              | Carina, Tracheal            | A ridge or ridge-like structure. The carina of trachea is part of the lowest tracheal cartilage which is placed between the orifices of the two bronchi.   | Carina                              |
| C66852      | CAROTID BODY                        |                             | A cluster of cells that function as chemo-receptors, located at the bifurcation of the carotid artery. Its main purpose is to detect changes in the composition of arterial blood. (NCI)   | Carotid Body                        |
| C32268      | CARTILAGE                           | Cartilaginous               | A type of connective tissue composed of chondrocytes and an extracellular matrix, composed of collagen, elastin, and ground substance. There are three types of cartilage; namely elastic, hyaline, and fibrocartilage. (NCI)  | Cartilaginous Tissue                |
| C33732      | CAUDA EPIDIDYMIS                    |                             | The lower part of the epididymis. (NCI)  | Tail of the Epididymis              |
| C12311      | CERVIX                              | Cervix Uteri;Uterine Cervix | The lower part of the uterus occupying the region between the isthmus of the uterus and the vagina. It is divided into supravaginal and vaginal portions. (NCI)  | Cervix Uteri                        |
| C13070      | CHEEK                               |                             | The fleshy part of the face bounded by the eyes, nose, ear, and jaw line. (NCI)  | Cheek                               |
| C111156     | CHEEK POUCH                         |                             | An evagination of the oral mucosa within the cheek of some mammals, which forms a pocket. (NCI)  | Cheek Pouch                         |
| C12308      | CLITORIS                            |                             | The erectile tissue in the vulva. It is composed of the corpora cavernosa and the glans clitoris.  | Clitoris                            |
| C34127      | CLOACA                              |                             | The singular posterior opening of the intestinal and urinary tracts of birds, reptiles, amphibians, marsupials and monotremes. (NCI)   | Cloaca                              |

| C77529 SPEC |                        |  |   |                       |
|-------------|------------------------|--|---|-----------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                                      | CDISC Definition  | NCI Preferred Term    |
| C12837      | COCHLEAR NUCLEI        |  | Located at the brainstem, this sensory organ receives auditory signals from the cochlear auditory nerve fibers. It is composed of the dorsal cochlear nucleus located on the dorsolateral surface of the inferior peduncle and the ventral (or accessory) cochlear nucleus located on the ventral aspect of the inferior peduncle. (NCI)  | Cochlear Nucleus      |
| C12341      | CONJUNCTIVA            | Conjunctiva  | A thin, transparent tissue divided into the palpebral conjunctiva (covering the inner side of the eye lid) and the bulbar conjunctiva (covering the eyeball). (NCI)   | Conjunctiva           |
| C12902      | CONJUNCTIVA, BULBAR    |  | The part of the conjunctiva, a thin transparent mucous membrane, that is loosely attached to the orbital septum and covers the anterior surface of the sclera.  | Bulbar Conjunctiva    |
| C12901      | CONJUNCTIVA, PALPEBRAL |  | The part of the conjunctiva, a thin transparent mucous membrane, that covers the posterior surface of the eyelids.  | Palpebral Conjunctiva |
| C12374      | CONNECTIVE TISSUE      |  | The supporting or framework tissue of the body, formed of fibrous and ground substance with more or less numerous cells of various kinds; it is derived from the mesenchyme, and this in turn from the mesoderm; the varieties of connective tissue are: areolar or loose; adipose; dense, regular or irregular, white fibrous; elastic; mucous; and lymphoid tissue; cartilage; and bone; the blood and lymph may be regarded as connective tissues the ground substance of which is a liquid. | Connective Tissue     |
| C12446      | CORPUS CALLOSUM        |  | A white matter structure within the cleft that separates the left and right cerebral hemispheres in the mammalian brain. It is composed of a wide, flat bundle of 200-250 million axonal projections. (NCI)   | Corpus Callosum       |
| C12316      | CORPUS UTERI           | Uterine Body;Uterus, Corpus                        | The Corpus uteri, or body of uterus, is the part of the uterus above the isthmus, comprising about two thirds of the non-pregnant organ. (NCI)  | Corpus Uteri          |
| C32392      | COSTOCHONDRAL JOINT    | Costochondral Junction;Costochondral Junction, Rib | Hyaline cartilaginous joint between the ribs and costal cartilage. (NCI)  | Costochondral Joint   |
| C111162     | CROP                   | Ingluvies  | A saccular diverticulum of the esophagus in bird species that is used for food storage prior to digestion.  | Crop                  |
| C12948      | DUCT                   |  | A tube that carries various secretions from one part of the body to another. (NCI)  | Duct                  |
| C43615      | DUCT, BILE             |  | The tissue that forms the bile duct wall. It is lined by epithelium. (NCI)  | Bile Duct Tissue      |
| C12698      | DUCT, COMMON BILE      |  | The extrahepatic duct that is formed by the juncture of the cystic and hepatic ducts and extends to the duodenum.   | Common Bile Duct      |
| C32356      | DUCT, COMMON HEPATIC   |  | The extrahepatic duct that connects the convergence of the left and right hepatic ducts into the common bile duct.  | Common Hepatic Duct   |
| C32421      | DUCT, CYSTIC           |  | A short duct attached to the gallbladder through which the bile from the gallbladder is secreted in the common bile duct. (NCI)   | Cystic Duct           |
| C32492      | DUCT, EFFERENT         |  | A tube-like structure that connects the rete testis to the head of the epididymis.  | Efferent Duct         |
| C33161      | DUCT, NASOLACRIMAL     | Duct, Nasolac                                      | A tube-like structure that conveys tears from the lacrimal sac to the nasal cavity. (NCI)   | Nasolacrimal Duct     |
| C12272      | DUCT, PANCREATIC       |  | A duct extending from the pancreas to supply pancreatic content to the duodenum.  | Pancreatic Duct       |
| C12394      | EAR                    | Ear  | A sense organ needed for the detection of sound and for establishing balance. The outer ear consists of the auricle, the ear canal as well as the tympanic membrane. The middle ear is made up of an air-filled cavity behind the tympanic membrane that contains the ossicles (malleus, incus and stapes). The inner ear is made up of the cochlea needed for hearing and the vestibular apparatus required for balance. (NCI)   | Ear                   |

| C77529 SPEC |                        |  |  |                              |
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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term           |
| C12498      | EAR CANAL              |  | A tubular structure that runs from the outer ear to the tympanic membrane.   | External Acoustic Meatus     |
| C12395      | EAR, COCHLEA           |  | The snail shell-shaped auditory component of the inner ear. It contains the sensory organ of hearing. (NCI)  | Cochlea                      |
| C12328      | EPIDIDYMIS             |  | A crescent-like structure located in the upper and posterior surfaces of the testis. It consists of the efferent ductules and the duct of the epididymis. It facilitates the maturation of sperm that is produced in the testis. (NCI)   | Epididymis                   |
| C32529      | EPIPHYSIS              | Epiphyseal Plate;Growth Plate;Junction, Bone-Cartilage | The round end of the long bones. (NCI)   | Epiphysis of the Bone        |
| C32543      | ESOPHAGUS              |  | The tissue of the esophageal wall. It is composed of mucosa, a muscular coat, and a serosal surface. (NCI)   | Esophageal Tissue            |
| C12500      | EUSTACHIAN TUBE        | Auditory Tube;Pharyngotympanic Tube;Tuba Auditoria     | A tubular structure that runs from the middle ear to the nasopharynx and is approximately 3-4 cm length. Its lumen is roughly triangular and has average diameter of 2-3 mm. The lumen is lined by ciliated pseudostratified, columnar epithelium, which sweeps material from the middle ear to the nasopharynx. It is functionally collapsed at rest, with slight negative pressure present in the middle ear, and opens during swallowing, sneezing, and yawning. It serves to ventilate pressure differences between the middle ear and nasopharynx. This tube also allows middle ear secretions to drain into the nasopharynx. | Eustachian Tube              |
| C13233      | EXUDATE                |  | Fluid, cells or cellular debris that escapes from the blood vessels and accumulates in nearby tissues. It is the result of inflammation and is rich in proteins.   | Exudate                      |
| C12401      | EYE                    | Eye;Eyeball  | The organ of sight or vision. (NCI)  | Eye                          |
| C12667      | EYE, ANTERIOR CHAMBER  |  | The space in the eye, filled with aqueous humor, bounded anteriorly by the cornea and a small portion of the sclera and posteriorly by a small portion of the ciliary body, the iris, and that part of the crystalline lens which presents through the pupil. (Cline et al., Dictionary of Visual Science, 4th ed, p109) (NCI)   | Anterior Chamber of the Eye  |
| C13190      | EYE, AQUEOUS HUMOR     | Aqueous Humour   | The watery fluid which is present in the anterior and posterior chambers of the eye. (NCI)   | Aqueous Humor                |
| C12344      | EYE, CHOROID           |  | A blood vessel-containing membrane of the eye that lies between the retina and the sclera. (NCI)   | Choroid                      |
| C12345      | EYE, CILIARY BODY      |  | Tissue located behind the iris and composed of muscle and epithelium. Its functions include the production of aqueous humor and changing the shape of the crystalline lens. (NCI)  | Ciliary Body                 |
| C12342      | EYE, CORNEA            | Cornea   | A dome-shaped, transparent, avascular tissue covering the front of the eye. It is composed of five layers: squamous epithelium, Bowman's membrane, stroma, Descemet's membrane, and endothelium. Refraction of light contributing to eye's focusing ability is its characteristic function. It contains unmyelinated nerve endings which are responsible for the high sensitivity of the tissue. (NCI)   | Cornea                       |
| C12737      | EYE, IRIS              |  | The colored disc of the eye composed of connective tissue, epithelium, and endothelium. It separates the anterior chamber from the posterior chamber. (NCI)  | Iris                         |
| C12743      | EYE, LENS              | Crystalline Lens;Lens;Lens Of Eye;Ocular Lens          | A biconvex transparent structure of the eye through which light is focused on the retina. The lens sits behind the iris and is supported by the zonule, which connects it to the ciliary body. The lens is an avascular structure. (NCI)   | Lens                         |
| C12900      | EYE, POSTERIOR CHAMBER | Eye, Posterior Compartment                             | A space within the eye located between the iris and the lens. It is filled with aqueous humor. (NCI)   | Posterior Chamber of the Eye |

| C77529 SPEC |                               |  |   |                              |
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| NCI Code    | CDISC Submission Value        | CDISC Synonym                                  | CDISC Definition  | NCI Preferred Term           |
| C49328      | EYE, RETINA                   |  | The tissue that constitutes the retina. It is composed of the following layers: ganglion cell layer, inner limiting membrane, inner nuclear layer, inner plexiform layer, layer of the ophthalmic nerve fibers, layer of the rods and cones, neural retina, outer limiting membrane, outer nuclear layer, outer plexiform layer, and retinal pigment epithelium. (NCI)  | Retina Layer                 |
| C12784      | EYE, SCLERA                   |  | The white, opaque, fibrous, outer tunic of the eyeball, covering it entirely excepting the segment covered anteriorly by the cornea. It is essentially avascular but contains apertures for vessels, lymphatics, and nerves. It receives the tendons of insertion of the extraocular muscles and at the corneoscleral junction contains the canal of Schlemm. (From Cline et al., Dictionary of Visual Science, 4th ed) | Sclera                       |
| C33884      | EYE, VITREOUS                 |  | A clear, avascular, gelatinous body that occupies the posterior chamber of the eye. It is bounded by the retina except anteriorly where it lies adjacent to the lens and iris.  | Vitreous Body                |
| C12713      | EYELID                        | Eyelid;Palpebra                                | A thin membrane of skin with the purpose of covering and protecting an eye. (NCI)   | Eyelid                       |
| C13071      | FACE                          | Facial   | The portion of the head containing the eyes, nose and mouth, cheeks and jaws.   | Face                         |
| C13234      | FECES                         | Feces  | The material discharged from the bowel during defecation. It consists of undigested food, intestinal mucus, epithelial cells, and bacteria. (NCI)   | Feces                        |
| C17730      | FETUS                         |  | Any tissue from a fetus. (NCI)  | Fetal Tissue                 |
| C13236      | FLUID                         |  | Liquid substances produced by the body.   | Body Fluid or Substance      |
| C77611      | FLUID, ABDOMINAL              |  | The fluid that is abnormally collected in the abdominal cavity as a result of vascular pressure, liver disorder, or malignancy. (NCI)   | Abdominal Fluid              |
| C13188      | FLUID, AMNIOTIC               | Aqua Amnii                                     | The fluid within the amniotic cavity which surrounds and protects the developing embryo. (NCI)  | Amniotic Fluid               |
| C13195      | FLUID, BRONCHOALVEOLAR LAVAGE | Bronchial Lavage Fluid;Fluid, Bronchial Lavage | Fluid introduced into, and collected from, the lungs by a bronchoalveolar lavage procedure. (NCI)   | Bronchoalveolar Lavage Fluid |
| C12692      | FLUID, CEREBROSPINAL          | CSF  | The fluid that is contained within the brain ventricles, the subarachnoid space and the central canal of the spinal cord. (NCI)   | Cerebrospinal Fluid          |
| C3319       | FLUID, PERICARDIAL            |  | Fluid collection within the pericardial sac, usually due to inflammation. (NCI)   | Pericardial Effusion         |
| C77612      | FLUID, PERITONEAL             | Fluid, Ascites                                 | The small amount of fluid that is generated in the abdominal cavity to lubricate the peritoneum. (NCI)  | Peritoneal Fluid             |
| C77613      | FLUID, PLEURAL                |  | The fluid that is abnormally collected in the pleural cavity. (NCI)   | Pleural Fluid                |
| C33718      | FLUID, SYNOVIAL               | Synovia;Synovial Fluid                         | A viscid fluid secreted by the synovial membrane, serving as a lubricant. (NCI)   | Synovial Fluid               |
| C125897     | FLUID, THORAX                 |  | Fluid that is present in the thoracic cavity.   | Thoracic Fluid               |
| C32622      | FOOT                          | Feet;Foot                                      | The structure found below the ankle joint required for locomotion. (NCI)  | Foot                         |
| C92654      | FOOTPAD                       |  | A thick, spongy layer of tissue located under the metacarpal and metatarsal joints of the foot. It consists of a pad of adipose tissue covered by a thick epidermis containing dermal sweat glands.   | Footpad                      |
| C12671      | FORELIMB                      | Upper Extremity                                | The region of the body that extends distal to the scapulohumeral joint.   | Upper Extremity              |
| C77956      | FORESTOMACH                   |  | Non-glandular portion of the stomach of some mammals that is connected to the esophagus. It is utilized as a holding chamber during digestion for undigested and partially digested food. (NCI)   | Forestomach                  |

| C77529 SPEC |  |                                  |   |                                      |
|-------------|--|----------------------------------|---|--------------------------------------|
| NCI Code    | CDISC Submission Value                 | CDISC Synonym                    | CDISC Definition  | NCI Preferred Term                   |
| C12377      | GALLBLADDER                            | Gallbladder                      | A pear-shaped organ located under the liver that stores and concentrates bile secreted by the liver. From the gallbladder the bile is delivered through the bile ducts into the intestine thereby aiding the digestion of fat-containing foods. (NCI) | Gallbladder                          |
| C12719      | GANGLION                               | Ganglia;Ganglion;Neural Ganglion | A cluster of nervous tissue principally composed of neuronal cell bodies external to the central nervous system (CNS). (NCI)  | Ganglion                             |
| C98713      | GANGLION, CERVICAL                     |                                  | Any one of the three sympathetic ganglia of the cervical vertebrae. (NCI)   | Cervical Ganglia                     |
| C92211      | GANGLION, CERVICOTHORACIC              |                                  | A sympathetic ganglion located at the seventh cervical vertebral level. (NCI)   | Inferior Cervical Ganglion           |
| C12462      | GANGLION, DORSAL ROOT                  | Dorsal Root                      | Sensory ganglia located on the dorsal spinal roots within the vertebral column. (MeSH)  | Dorsal Root Ganglion                 |
| C62642      | GANGLION, TRIGEMINAL                   | Gasserian Ganglion               | Large sensory ganglion of the trigeminal nerve that lies adjacent to the cavernous sinus in the trigeminal cavity of the dura mater. (NCI)  | Trigeminal Ganglion                  |
| C92214      | GANGLION, TRIGEMINAL/NERVE, TRIGEMINAL |                                  | A tissue sample that contains the trigeminal ganglion and branches of the trigeminal nerve. (NCI)   | Trigeminal Ganglion/Trigeminal Nerve |
| C77614      | GASTRIC CONTENTS                       | Digestive Contents;Ingesta       | The contents of the stomach that may include undigested food mixed with juices secreted by the gastric mucosal glands. (NCI)  | Gastric Content                      |
| C92593      | GILLS                                  |                                  | A respiratory organ found in aquatic animals that allows for the exchange of dissolved oxygen from water into the blood stream. (NCI)   | Gill                                 |
| C32677      | GINGIVA                                | Gingiva;Gum                      | The soft tissue surrounding the neck of individual teeth as well as covering the alveolar bone. The tissue is fibrous and continuous with the periodontal ligament and mucosal covering. (NCI)  | Gingiva                              |
| C77616      | GLAND OF THE THIRD EYELID              | Nictitans Gland                  | A gland producing tears in a third eyelid in the corner of each eye, as seen in animals. (NCI)  | Gland of the Third Eyelid            |
| C32051      | GLAND, ADRENAL                         |                                  | The tissue that forms the adrenal gland. It consists of the outer adrenal cortex and the inner adrenal medulla. (NCI)   | Adrenal Gland Tissue                 |
| C77955      | GLAND, AMPULLARY                       |                                  | Paired exocrine glands of the male reproductive system located at the medial termination of the ductus deferens that produce and secrete lipids and glycogen, components of the seminal fluid. (NCI)  | Ampullary Gland                      |
| C125895     | GLAND, ANAL SAC                        |                                  | Apocrine gland located in the wall of the anal sac.   | Experimental Organism Anal Sac Gland |
| C32395      | GLAND, BULBOURETHRAL                   | Cowper's Gland;Gland, Cowper's   | Paired exocrine glands located at the base of the penis, positioned posterior and lateral to the urethra, that produce and secrete a clear viscous liquid that lubricates the urethra in preparation for the passage of sperm. (NCI)                  | Cowper Gland                         |
| C77610      | GLAND, CIRCUMANAL                      |                                  | A large apocrine gland located in the area surrounding the anal orifice. (NCI)  | Circumanal Gland                     |
| C77617      | GLAND, CLITORAL                        |                                  | A female reproductive gland located on the side of the clitoris. (NCI)  | Clitoral Gland                       |
| C77618      | GLAND, COAGULATING                     |                                  | The anterior lobe of the prostate gland in animals. (NCI)   | Coagulating Gland                    |
| C33842      | GLAND, ENDOMETRIAL                     |                                  | The glands present in the endometrium or inner layer of the uterus.   | Uterine Gland                        |
| C77619      | GLAND, HARDERIAN                       |                                  | An accessory gland of the orbit. (NCI)  | Harderian Gland                      |
| C12346      | GLAND, LACRIMAL                        |                                  | Paired, almond-shaped exocrine glands situated superior and posterior to each orbit of the eye that produce and secrete the watery serous component of tears. (NCI)   | Lacrimal Gland                       |



| C77529 SPEC |  |  |   |                                      |
|-------------|--|--|---|--------------------------------------|
| NCI Code    | CDISC Submission Value                                     | CDISC Synonym                                  | CDISC Definition  | NCI Preferred Term                   |
| C12370      | GLAND, MAMMARY   |  | The glandular tissue of the breast. In females, it is composed of numerous lobules with alveolar ducts and alveoli. In males, it is composed of rudimentary glands.   | Mammary Gland Tissue                 |
| C33075      | GLAND, MEIBOMIAN   |  | A sebaceous gland in the eyelid that produces a specific type of sebum. (NCI)   | Meibomian Gland                      |
| C33270      | GLAND, PARATHYROID   |  | Parathyroid gland tissue consists of three primary cell types - chief cells, oxyphil cells and clear cells. These glands are usually located in close proximity to the thyroid gland. (NCI)   | Parathyroid Gland Tissue             |
| C77620      | GLAND, PERIANAL  |  | A gland located in the area around the anus. (NCI)  | Perianal Gland                       |
| C41834      | GLAND, PINEAL  | Pineal Body                                    | The tissue of the pineal gland. The pineal gland is a small reddish-gray body, about 8 mm. in length which lies in the depression between the superior colliculi. It is attached to the roof of the third ventricle near its junction with the mid-brain. It develops as an outgrowth from the third ventricle of the brain. The pineal parenchyma consists of follicles lined by epithelium and enveloped by connective tissues. It produces and secretes melatonin. (NCI) | Pineal Parenchyma                    |
| C12399      | GLAND, PITUITARY   | Hypophysis;Hypophysis Cerebri                  | Pea-sized endocrine gland located at the base of the brain in the pituitary fossa. It produces and secretes hormones such as oxytocin and vasopressin, to regulate the activities of the hypothalamus. (NCI)  | Pituitary Gland                      |
| C79432      | GLAND, PREPUTIAL   |  | Exocrine glands located at the anterior aspect of the genitals of some mammals, such as mice and rats, that produce and secrete pheromones. (NCI)   | Preputial Gland                      |
| C117978     | GLAND, PREPUTIAL/GLAND, CLITORAL                           |  | A laboratory specimen consisting of either preputial or clitoral gland.   | Preputial Gland/Clitoral Gland       |
| C33414      | GLAND, PROSTATE  |  | Tissue composed of tubuloalveolar glands embedded in fibromuscular stroma. The stroma is smooth muscle separated by strands of connective tissue rich in collagenous and elastic fibers. The secretory alveoli of the prostate are irregularly shaped with papillary projections of the mucosa into the lumen of the gland. (NCI)   | Prostatic Tissue                     |
| C77622      | GLAND, PROSTATE DORSOLATERAL                               |  | The dorsolateral lobe of the prostate gland in animals. (NCI)   | Dorsolateral Prostate Gland          |
| C77623      | GLAND, PROSTATE VENTRAL                                    |  | The ventral lobe of the prostate gland in animals. (NCI)  | Ventral Prostate Gland               |
| C77670      | GLAND, PROSTATE/GLAND, SEMINAL VESICLE                     |  | A laboratory specimen consisting of the prostate and seminal vesicles. (NCI)  | Prostate/Seminal Vesicles            |
| C33509      | GLAND, SALIVARY  |  | Tissue consisting of mucous or serous secreting epithelial tissue, connective tissue, blood vessels, nerves and lymphatic tissue. (NCI)   | Salivary Gland Tissue                |
| C33141      | GLAND, SALIVARY, MUCOUS                                    |  | Salivary glands that produce and secrete a saliva made up exclusively of mucous. (NCI)  | Mucous Salivary Gland                |
| C12427      | GLAND, SALIVARY, PAROTID                                   | Parotid Gland                                  | The largest of the three paired salivary glands, located in front of the ear. (NCI)   | Parotid Gland                        |
| C33539      | GLAND, SALIVARY, SEROUS                                    |  | Salivary glands that produce and secrete a saliva made up exclusively of a pale-yellow transparent fluid containing amylase. (NCI)  | Serous Salivary Gland                |
| C12234      | GLAND, SALIVARY, SUBLINGUAL                                |  | A salivary gland located under the tongue in the floor of the oral cavity. (NCI)  | Sublingual Salivary Gland            |
| C12233      | GLAND, SALIVARY, SUBMANDIBULAR                             | Gland, Salivary, Mandibular;Submaxillary Gland | One of two salivary glands in the neck, located in the space bound by the two bellies of the digastric muscle and the angle of the mandible. It discharges through the submandibular duct. (MeSH) (NCI)   | Submandibular Gland                  |
| C92215      | GLAND, SALIVARY, SUBMANDIBULAR/GLAND, SALIVARY, SUBLINGUAL |  | A tissue sample that contains the submandibular and sublingual salivary glands. (NCI)   | Submandibular Gland/Sublingual Gland |
| C77624      | GLAND, SALIVARY, ZYGOMATIC                                 |  | A salivary gland located in the upper portion of the mouth. (NCI)   | Zygomatic Gland                      |

| C77529 SPEC |   |                                   |  |                                   |
|-------------|---|-----------------------------------|--|-----------------------------------|
| NCI Code    | CDISC Submission Value                    | CDISC Synonym                     | CDISC Definition   | NCI Preferred Term                |
| C33519      | GLAND, SEBACEOUS                          |                                   | Small glands located within the epidermis, and associated with the hair follicle, that produce and secrete an oily substance that lubricates the skin and hair. (NCI)  | Sebaceous Gland                   |
| C12787      | GLAND, SEMINAL VESICLE                    | Seminal Sacs                      | One of the two paired glands in the male genitourinary system, posterior to the bladder and superior to the prostate gland, that produces fructose-rich seminal fluid which is a component of semen. These glands join the ipsilateral ductus deferens to form the ejaculatory duct. (NCI)                 | Seminal Vesicle                   |
| C92216      | GLAND, SEMINAL VESICLE/GLAND, COAGULATING |                                   | A tissue sample that contains a seminal vesicle and coagulating gland. (NCI)   | Seminal Vesicle/Coagulating Gland |
| C33785      | GLAND, THYROID                            |                                   | The tissue that forms the thyroid gland. Its main component is the thyroid follicle. (NCI)   | Thyroid Gland Tissue              |
| C77667      | GLAND, THYROID/GLAND, PARATHYROID         |                                   | A laboratory specimen consisting of the thyroid and parathyroid. (NCI)   | Thyroid/Parathyroid               |
| C49311      | GLAND, URETHRAL                           | Gland Of Littre                   | Any of the glands located at the wall of the urethra of male mammals that produce and secrete mucus, a major component of semen. (NCI)   | Gland of Littre                   |
| C77954      | GLAND, ZYMBAL                             |                                   | A sebaceous gland located at the base of the rodent external ear that produces and secretes oil, which lubricates the auditory canal. (NCI)  | Zymbal Gland                      |
| C12725      | GONAD                                     |                                   | The gamete-producing tissues, ovary or testis. (MeSH)  | Gonad                             |
| C77639      | GRAVID UTERUS                             |                                   | The uterus during pregnancy. (NCI)   | Gravid Uterus                     |
| C3824       | GROSS LESION                              |                                   | A localized pathological or traumatic structural change, damage, deformity, or discontinuity of tissue, organ, or body part. (NCI)   | Lesion                            |
| C12936      | GUT-ASSOCIATED LYMPHOID TISSUE            |                                   | Non-encapsulated accumulations of lymphoid tissue in the alimentary tract that form a secretory immune system containing cells committed to IgA or IgE synthesis; It includes Peyer's patches and the lymphoid tissue which is present throughout the gastrointestinal mucosa. (NCI)                       | Gut-Associated Lymphoid Tissue    |
| C32705      | HAIR                                      | Hair                              | The filamentous outgrowth of the epidermis. (NCI)  | Hair                              |
| C32712      | HAND                                      | Hand                              | The distal portion of the upper extremity. It consists of the carpus, metacarpus, and digits. (NCI)  | Hand                              |
| C12419      | HEAD                                      | Head                              | The anterior and superior part of a human or animal bearing the mouth, the brain and sensory organs.   | Head                              |
| C12727      | HEART                                     | Cardiac;Heart                     | A hollow muscular organ which receives the blood from the veins and propels it into the arteries. It is divided by a musculomembranous septum into two halves -- right or venous and left or arterial -- each of which consists of a receiving chamber (atrium) and an ejecting chamber (ventricle). (NCI) | Heart                             |
| C41168      | HEMOLYMPHORETICULAR TISSUE                | Hematopoietic And Lymphoid Tissue | The tissue that contains hematopoietic cells and/or lymphocytes and immune system cells.   | Hematopoietic and Lymphoid Tissue |
| C77625      | HINDLIMB                                  |                                   | The posterior, rear or lower limb of an animal.  | Hind Limb                         |
| C77626      | HOOF WALL                                 |                                   | The keratinized, outer portion of the foot of a ungulate mammal.   | Hoof Wall                         |
| C12499      | INNER EAR                                 | Cochlea;Internal Ear;Labyrinth    | The portion of the ear located within the temporal bone that is involved in both hearing and balance and includes the semicircular canals, vestibule, and cochlea. (from American Heritage Dictionary online)  | Inner Ear                         |
| C32874      | INTERVENTRICULAR SEPTUM                   | Interventricular Septal Wall      | The wall that separates the left and right ventricles of the heart. (NCI)  | Interventricular Septum           |
| C49571      | INTERVERTEBRAL DISC                       |                                   | Spongy discs located between the vertebrae of the spinal column; composed of the outer annulus fibrosus and inner nucleus pulposus. (NCI)  | Intervertebral Disc               |

| C77529 SPEC |   |                             |  |                              |
|-------------|---|-----------------------------|--|------------------------------|
| NCI Code    | CDISC Submission Value                        | CDISC Synonym               | CDISC Definition   | NCI Preferred Term           |
| C49478      | INTESTINE                                     |                             | The tissue that forms the wall of the small and large intestine. It consists of mucosa, submucosa, muscular coat, and serosal surface. (NCI)   | Intestinal Wall Tissue       |
| C13044      | JOINT   | Articulation;Joint          | The connection point between two bones or skeletal elements. The joint may be fixed or movable. (NCI)  | Joint                        |
| C32264      | JOINT, CARPUS                                 |                             | A joint formed between carpal bones. (NCI)   | Carpal Joint                 |
| C32497      | JOINT, ELBOW                                  | Elbow Joint                 | A joint involving the humerus, radius and ulna bones.  | Elbow Joint                  |
| C32742      | JOINT, HIP                                    | Coxofemoral Joint;Hip Joint | A ball-and-socket joint between the head of the femur and the acetabulum. (NCI)  | Hip Joint                    |
| C32898      | JOINT, KNEE                                   | Knee;Tibiofemoral Joint     | A joint connecting the lower part of the femur with the upper part of the tibia. The lower part of the femur and the upper part of the tibia are attached to each other by ligaments. Other structures of the knee joint include the upper part of the fibula, located below and parallel to the tibia, and the patella which moves as the knee bends. (NCI)   | Knee Joint                   |
| C111308     | JOINT, SCAPULOHUMERAL                         |                             | The synovial ball and socket joint involving the articulation of the glenoid fossa of the scapula and the head of the humerus. (NCI)   | Scapulohumeral Joint         |
| C33735      | JOINT, TARSUS                                 |                             | A joint formed by the union of tarsal bones.   | Tarsal Joint                 |
| C33461      | KIDNEY  |                             | Tissue composed of the renal cortex and the renal medulla. The basic functional unit of renal tissue is the nephron. (NCI)   | Renal Tissue                 |
| C12227      | LABIAL JUNCTION                               |                             | The junction of the upper and lower lips at the corner of the mouth. (NCI)   | Commissure of the Lip        |
| C12306      | LABIUM MAJUS                                  |                             | One of the two longitudinal folds of skin that form the lateral boundary of the vulva. It extends from the mons pubis to the perineum. (NCI)   | Labium Majus                 |
| C12307      | LABIUM MINUS                                  |                             | One of the two longitudinal folds of skin located between the labia majora. (NCI)  | Labium Minus                 |
| C92439      | LARGE COLON                                   |                             | The ascending colon of the horse. (NCI)  | Large Colon                  |
| C32931      | LARGE INTESTINE                               | Large Bowel                 | The tissue of the large intestine. It is composed of four layers - mucosa, submucosa, smooth muscle with inner circular and outer longitudinal layers, and serosa. The mucosa has a large number of goblet cells but does not have any villi. The longitudinal muscle layer is incomplete. The longitudinal muscle is limited to three distinct bands, called teniae coli that run the entire length of the colon. Contraction of the teniae coli exerts pressure on the wall and creates a series of pouches, called haustra, along the colon. Epiploic appendages, pieces of fat-filled connective tissue, are attached to the outer surface of the colon. (NCI) | Large Intestinal Wall Tissue |
| C43362      | LARGE INTESTINE, ANUS                         | Anus                        | The lower opening of the digestive tract, lying in the cleft between the buttocks, through which fecal matter is extruded. (NCI)   | Anus                         |
| C12380      | LARGE INTESTINE, APPENDIX                     | Appendix                    | Small tissue projection existing as a cecal diverticulum with a questionable history of vestigial versus specialized organ. (NCI)  | Appendix                     |
| C12381      | LARGE INTESTINE, CECUM                        | Cecal;Cecum                 | A blind pouch-like commencement of the colon in the right lower quadrant of the abdomen at the end of the small intestine and the start of the large intestine. (OMD)  | Cecum                        |
| C12382      | LARGE INTESTINE, COLON                        | Colon                       | The part of the large intestine measured from the cecum to the rectum consisting of ascending, transverse, descending and sigmoid portions. The purpose of the colon is to remove water from digested food prior to excretion. (NCI)   | Colon                        |
| C12390      | LARGE INTESTINE, RECTUM                       |                             | The terminal portion of the gastrointestinal tract, extending from the rectosigmoid junction to the anal canal. (NCI)  | Rectum                       |
| C92217      | LARGE INTESTINE, RECTUM/LARGE INTESTINE, ANUS |                             | A tissue sample that contains the rectum and anus. (NCI)   | Rectum/Anus                  |

| C77529 SPEC |                           |                         |   |                             |
|-------------|---------------------------|-------------------------|---|-----------------------------|
| NCI Code    | CDISC Submission Value    | CDISC Synonym           | CDISC Definition  | NCI Preferred Term          |
| C122233     | LARYNGEAL POUCH           |                         | An accessory mucosal membranous diverticulum of the laryngeal region, found in certain nonhuman primates.   | Laryngeal Pouch             |
| C12420      | LARYNX                    | Larynx                  | The cartilaginous structure of the respiratory tract between the pharynx and the trachea. It contains elastic vocal cords required for sound production. (NCI)  | Larynx                      |
| C13046      | LIGAMENT                  | Ligament                | Band of fibrous tissue connecting bone to bone or cartilage to bone thereby supporting or strengthening a joint. (NCI)  | Ligament                    |
| C12429      | LIMB                      | Extremities;Limb        | A body region referring to an upper or lower extremity. (NCI)   | Limb                        |
| C12220      | LIP                       | Lip                     | Fleshy fold which surrounds the opening of the mouth. (NCI)   | Lip                         |
| C32735      | LIVER                     |                         | The tissue of the liver. It includes the hepatic lobules, hepatic sinusoids, perisinusoidal spaces, and portal triad. The hepatic lobules are composed of hepatocytes. (NCI)  | Hepatic Tissue              |
| C77669      | LIVER/GALLBLADDER         |                         | A laboratory specimen consisting of the liver and gallbladder. (NCI)  | Liver/Gallbladder           |
| C33024      | LUNG                      |                         | Tissue consisting of an external serous coat, subserous areolar tissue and lung parenchyma. The parenchyma is made up of lobules wound together by connective tissue. A primary lobule consists of a terminal bronchiole, respiratory bronchioles, and alveolar ducts, which communicate with many alveoli, each alveolus being surrounded by a network of capillary blood vessels. (NCI)                                 | Lung Tissue                 |
| C92218      | LUNG/BRONCHUS             |                         | A sample that contains lung and bronchial tissues. (NCI)  | Lung/Bronchus               |
| C33034      | LYMPH NODE                | Lymph Gland             | Tissue composed of specialized cells that are organized as a definite organ, situated along the course of lymphatic vessels, and consisting of an outer cortical and an inner medullary part. The lymph nodes are the main source of lymphocytes of the peripheral blood and serve as a defense mechanism by removing noxious agents, such as bacteria and toxins, and probably play a role in antibody production. (NCI) | Lymph Node Tissue           |
| C12904      | LYMPH NODE, AXILLARY      | Axillary Lymph Node     | One of approximately 20-30 lymph nodes in chain formation that traverse the concavity of the underarm to the clavicle. (NCI)  | Axillary Lymph Node         |
| C92221      | LYMPH NODE, BRACHIAL      |                         | An axillary lymph node along the brachial vein. (NCI)   | Brachial Lymph Node         |
| C32232      | LYMPH NODE, BRONCHIAL     |                         | Lymph node located in the bronchi. (NCI)  | Bronchial Lymph Node        |
| C32298      | LYMPH NODE, CERVICAL      | Cervical Lymph Node     | Any of the lymph nodes located in the neck. (NCI)   | Cervical Lymph Node         |
| C92222      | LYMPH NODE, GASTRIC       |                         | A lymph node along the left gastric artery or greater omentum. (NCI)  | Gastric Lymph Node          |
| C77640      | LYMPH NODE, HEPATIC       |                         | Any of the lymph nodes adjacent to the stomach and duodenum. (NCI)  | Hepatic Lymph Node          |
| C77653      | LYMPH NODE, ILEOCECOCOLIC |                         | A lymph node at the ileocecolic junction. (NCI)   | Ileocecolic Lymph Node      |
| C32761      | LYMPH NODE, ILIAC         | Iliac Lymph Node        | One of the three lymph nodes of the pelvis: the superior gluteal, interior gluteal or sacral. (NCI)   | Iliac Lymph Node            |
| C32801      | LYMPH NODE, INGUINAL      | Inguinal Lymph Node     | A superficial or deep lymph node located in the inguinal area. (NCI)  | Inguinal Lymph Node         |
| C77652      | LYMPH NODE, INTERCOSTAL   |                         | A lymph node located in the intercostal space of the thoracic wall. (NCI)   | Intercostal Lymph Node      |
| C77643      | LYMPH NODE, LUMBAR        | Lymph Node, Para-Aortic | A lymph node located adjacent to the lumbar region of the spine. (NCI)  | Paraaortic Lymph Node       |
| C32853      | LYMPH NODE, MAMMARY GLAND |                         | Any of the lymph nodes of the breast located under the ribcage, near the sternum. (NCI)   | Internal Mammary Lymph Node |

| C77529 SPEC |                              |                           |  |                             |
|-------------|------------------------------|---------------------------|--|-----------------------------|
| NCI Code    | CDISC Submission Value       | CDISC Synonym             | CDISC Definition   | NCI Preferred Term          |
| C77650      | LYMPH NODE, MANDIBULAR       | Lymph Node, Submandibular | A lymph node located beneath the floor of the oral cavity. (NCI)   | Submandibular Lymph Node    |
| C33073      | LYMPH NODE, MEDIASTINAL      | Mediastinal Lymph Node    | A lymph node located in the mediastinum. Mediastinal lymph nodes are arranged in three groups, one on the lateral, another on the medial, and a third on the anterior aspect of the vessels; the third group is, however, sometimes absent. (NCI)  | Mediastinal Lymph Node      |
| C77641      | LYMPH NODE, MESENTERIC       |                           | A lymph node located in the mesentery. (NCI)   | Mesenteric Lymph Node       |
| C77642      | LYMPH NODE, PANCREATIC       |                           | A lymph node of the pancreas. (NCI)  | Pancreatic Lymph Node       |
| C33278      | LYMPH NODE, PAROTID          | Parotid Gland Lymph Node  | A lymph node located close to, on, or within the parotid gland. (NCI)  | Parotid Gland Lymph Node    |
| C77644      | LYMPH NODE, PERITONEAL       |                           | A lymph node located in the peritoneum. (NCI)  | Peritoneal Lymph Node       |
| C53146      | LYMPH NODE, POPLITEAL        |                           | Lymph node located within the fat layer of the knee joint. (NCI)   | Popliteal Lymph Node        |
| C77645      | LYMPH NODE, PORTAL           | Periportal Lymph Node     | Lymph nodes surrounding the portal vein. (NCI)   | Portal Lymph Node           |
| C77654      | LYMPH NODE, PRESCAPULAR      |                           | A lymph node located in front of the shoulder. (NCI)   | Prescapular Lymph Node      |
| C49018      | LYMPH NODE, REGIONAL         | Regional Lymph Node       | A lymph node that drains lymph from a region of interest. (NCI)  | Regional Lymph Node         |
| C77646      | LYMPH NODE, RENAL            |                           | A lymph node located in the hilar area of the kidney or the fat surrounding the kidney. (NCI)  | Renal Lymph Node            |
| C77649      | LYMPH NODE, RETROPHARYNGEAL  |                           | A lymph node located in the retropharyngeal space behind the upper part of the pharynx. (NCI)  | Retropharyngeal Lymph Node  |
| C77647      | LYMPH NODE, SACRAL           |                           | A lymph node located in the sacral region. (NCI)   | Sacral Lymph Node           |
| C92594      | LYMPH NODE, SUBILIAC         |                           | A lymph node located below the ilium. (NCI)  | Subiliac Lymph Node         |
| C92434      | LYMPH NODE, SUBLINGUAL       |                           | A lymph node located under the tongue in the floor of the mouth. (NCI)   | Sublingual Lymph Node       |
| C77655      | LYMPH NODE, SUBLUMBAR        |                           | A lymph node located under the spine. (NCI)  | Sublumbar Lymph Node        |
| C77656      | LYMPH NODE, SUPRAPHARYNGEAL  |                           | A lymph node located in the roof of the pharynx. (NCI)   | Suprapharyngeal Lymph Node  |
| C33769      | LYMPH NODE, THORACIC         |                           | Lymph node located in the thoracic cavity. (NCI)   | Thoracic Lymph Node         |
| C77651      | LYMPH NODE, TRACHEOBRONCHIAL |                           | A lymph node located near the bifurcation of the trachea. (NCI)  | Tracheobronchial Lymph Node |
| C34808      | MASS                         |                           | A benign or malignant pathologic structure in any part of the body resulting from cystic changes or accumulation of inflammatory or neoplastic cells.  | Mass                        |
| C12748      | MEDIASTINUM                  | Mediastinum               | A group of organs surrounded by loose connective tissue, separating the two pleural sacs, between the sternum anteriorly and the vertebral column posteriorly as well as from the thoracic inlet superiorly to the diaphragm inferiorly. The mediastinum contains the heart and pericardium, the bases of the great vessels, the trachea and bronchi, esophagus, thymus, lymph nodes, thoracic duct, phrenic and vagus nerves, and other structures and tissues. (NCI) | Mediastinum                 |
| C77657      | MEMBRANE, NICTITATING        |                           | A translucent membrane present in the eye of some animals, also called the third eyelid.   | Nictitating Membrane        |
| C12348      | MENINGES                     |                           | Any one of three membranes that surround the brain and spinal cord. (NCI)  | Meninges                    |
| C33096      | MENISCUS                     |                           | A crescent-shaped wedge of cartilaginous material that serves as a cushion in the knee, between the tuberosities of the femur and the tibia. There are two locations, the medial meniscus located on the inner aspect of the knee and the lateral which is located on the outer aspect. (NCI)  | Meniscus                    |

| C77529 SPEC |                                   |                                      |  |                           |
|-------------|-----------------------------------|--------------------------------------|--|---------------------------|
| NCI Code    | CDISC Submission Value            | CDISC Synonym                        | CDISC Definition   | NCI Preferred Term        |
| C33097      | MENISCUS, LATERAL                 |                                      | A semicircular meniscus located towards the outer aspect of the knee joint. (NCI)  | Meniscus Lateralis        |
| C33098      | MENISCUS, MEDIAL                  |                                      | A semicircular meniscus located towards the inner aspect of the knee joint. (NCI)  | Meniscus Medialis         |
| C33103      | MESENTERY                         |                                      | A double layer of peritoneum that attaches to the back wall of the abdominal cavity and supports the small intestines. (NCI)   | Mesentery                 |
| C92435      | MESENTERY/PERITONEUM              |                                      | A tissue sample that contains mesenteric fat and peritoneal tissue. (NCI)  | Mesentery/Peritoneum      |
| C92440      | MESOVARIAN LIGAMENTS              |                                      | The peritoneal fold that covers and attaches the ovary to the broad ligament. (NCI)  | Mesovarium                |
| C12274      | MIDDLE EAR                        | Middle Ear                           | The part of the ear including the eardrum and ossicles. The middle ear leads to the inner ear. (NCI)   | Middle Ear                |
| C13257      | MILK                              |                                      | Milk produced by females for the purpose of feeding their young. (NCI)   | Breast Milk               |
| C77658      | MILK SERUM                        |                                      | The fluid that remains after removing the fat and casein from the milk. (NCI)  | Milk Serum                |
| C12505      | MUCOSA, BUCCAL                    |                                      | The mucosal membranes located on the inside of the cheek, in the buccal cavity. (NCI)  | Buccal Mucosa             |
| C33205      | MUCOSA, NASAL                     | Olfactory Mucosa                     | The part of the nasal mucosa composed of neuroepithelial tissue and mucus-producing Bowman's glands. The mucus moistens the epithelium and helps dissolve odor-containing gases. (NCI) | Olfactory Mucosa          |
| C77637      | MUCOSA, ORAL                      |                                      | Moist tissue lining the oral cavity, containing mucus secreting glands.  | Oral Mucosa               |
| C13259      | MUCUS                             |                                      | The thick fluid secreted by the mucus glands in the aerodigestive tract and the vagina. (NCI)  | Mucus                     |
| C53039      | MUSCLE, ADDUCTOR                  |                                      | A group of muscles causing movement of the leg towards the midline of the body. (NCI)  | Adductor Group of the Leg |
| C32200      | MUSCLE, BICEPS BRACHII            | Biceps                               | A muscle in the upper limb. Its action involves the rotation of the limb and the flexion of the humeralradial joint.   | Biceps                    |
| C53147      | MUSCLE, BICEPS FEMORIS            |                                      | A muscle in the back of the thigh. Its action involves the knee flexion and hip extension. (NCI)   | Biceps Femoris            |
| C112234     | MUSCLE, BULBOSPONGIOSUS           | Bulbocavernosus                      | A superficial muscle located on the midline of the perineum. It covers the bulb of the penis in males and the vestibular bulb in females.  | Bulbospongiosus           |
| C12702      | MUSCLE, DIAPHRAGM                 |                                      | Fibromuscular tissue that separates the thoracic from the abdominal cavity. It increases the volume of the thoracic cavity through contractions, thus facilitating respiration.        | Diaphragm                 |
| C52902      | MUSCLE, ERECTOR SPINAE            | Extensor Spinae;Sacrospinalis Muscle | A group of three muscles (iliocostalis, longissimus, and spinalis) that are situated laterally to and covering the spinous processes of the vertebrae.                                 | Erector Spinae            |
| C52918      | MUSCLE, EXTENSOR DIGITORUM LONGUS | Long Digital Extensor Muscle         | Muscle located on the lateral part of the hindlimb. Its actions involve the extension of the digits and dorsiflexion of the foot.  | Extensor Digitorum Longus |
| C33199      | MUSCLE, EXTRAOCULAR               |                                      | A group of six muscles that are responsible for moving the eye. (NCI)  | Oculomotor Muscle         |
| C32666      | MUSCLE, GASTROCNEMIUS             |                                      | A large muscle in the back of the lower limb. Its action involves the flexion of the tarsis.   | Gastrocnemius Muscle      |
| C78205      | MUSCLE, GLUTEUS                   |                                      | Any of the skeletal muscles that form the buttocks. These muscles are responsible for hip abduction and extension as well as movement of the thigh. (NCI)                              | Gluteal Muscle            |
| C32824      | MUSCLE, INTERCOSTAL               |                                      | A muscle located between two ribs. (NCI)   | Intercostal Muscle        |
| C33150      | MUSCLE, LATISSIMUS                | Musculus Latissimus Dorsi            | A triangular muscle in the back, connected to the vertebral column, arm, and shoulder. Its action involves adduction, medial rotation, and extension of the arm. (NCI)                 | Musculus Latissimus Dorsi |

| C77529 SPEC |                                     |                                  |  |                                |
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| NCI Code    | CDISC Submission Value              | CDISC Synonym                    | CDISC Definition   | NCI Preferred Term             |
| C32984      | MUSCLE, LEVATOR ANI                 |                                  | A broad, thin muscle originating from the posterior side of the pubis body, spine of the ischium, and pelvic fascia between the pubis and ischium on either side of the pelvis.  | Levator Ani                    |
| C112430     | MUSCLE, LEVATOR ANI/BULBOSPONGIOSUS | Levator Ani/Bulbocavernosus      | A tissue sample that contains the bulbocavernosus and the levator ani.   | Levator Ani/Bulbospongiosus    |
| C13074      | MUSCLE, MASSETER                    |                                  | Muscles arising in the zygomatic arch that close the jaw. (MeSH) (NCI)   | Masseter Muscle                |
| C33286      | MUSCLE, PECTORALIS                  | Muscle, Pectoral                 | Muscles of the upper chest. The term may refer to one of two muscles, the pectoralis major and pectoralis minor. The former is a thick muscle in the anterior portion of the chest. Its action involves flexion, medial rotation, and adduction of the humerus. The latter is a thin muscle located beneath the pectoralis major. Its action involves lowering the scapula and raising the ribs. (NCI) | Pectoralis Muscle              |
| C117979     | MUSCLE, PLANTARIS                   |                                  | One of three superficial muscles in primates between the soleus and the gastrocnemius, and assists in flexing the foot and knee.   | Plantaris Muscle               |
| C33422      | MUSCLE, PSOAS                       |                                  | Muscles of the lower back whose actions involve the flexion of the hips and lumbar spine. The term may refer to psoas major muscle and psoas minor muscle, both located in the lower back. (NCI)   | Psoas Muscle                   |
| C33441      | MUSCLE, QUADRICEPS FEMORIS          | Muscle, Quadriceps;Muscle, Thigh | A group of four powerful muscles in the front of the thigh. Their actions involve the extension of the knee joint. (NCI)   | Quadriceps Muscle of the Thigh |
| C53175      | MUSCLE, RECTUS FEMORIS              |                                  | One of the four quadriceps muscles, located in the middle of the front of the thigh. Its actions involve the extension of the knee joint and flexion of the hip. (NCI)   | Rectus Femoris                 |
| C53176      | MUSCLE, SEMITENDINOSUS              |                                  | A muscle located at the posterior and medial aspect of the thigh that extends the hip joint, flexes the knee joint and assists in medially rotating the knee.  | Semitendinosus                 |
| C13050      | MUSCLE, SKELETAL                    | Skeletal Muscle Tissue           | Striated muscles that are under voluntary control of the organism. They are connected at either or both ends to a bone and are utilized for locomotion and other movements. (NCI)  | Skeletal Muscle Tissue         |
| C12437      | MUSCLE, SMOOTH                      |                                  | Involuntary muscle tissue of the internal organs. It is composed of elongated muscle cells or fibers that are not arranged in a striated pattern and form layers of muscle tissue. The smooth muscle cells contain a contractile apparatus composed of thin and thick filaments and a cytoskeleton composed of intermediate filaments. (NCI)   | Smooth Muscle Tissue           |
| C53075      | MUSCLE, SOLEUS                      |                                  | A muscle located in the back of the lower leg beneath the gastrocnemius muscle. Its actions involve the flexion of the ankle joint and standing. (NCI)   | Soleus                         |
| C117980     | MUSCLE, STERNOCEPHALICUS            |                                  | A long muscle of the neck that extends from the manubrium sterni to the mandible and branches at the middle of the neck, forming the ventral border of the jugular groove.   | Sternocephalicus Muscle        |
| C53079      | MUSCLE, TIBIALIS CRANIALIS          |                                  | An extensor muscle in the anterior surface of the tibia. (NCI)   | Tibialis Cranialis             |
| C90604      | MUSCLE, TRICEPS BRACHII             |                                  | The muscle of the upper limb that extends the limb.  | Triceps Brachii                |
| C117876     | MUSCLE, VASTUS INTERMEDIUS          |                                  | The portion of the quadriceps femoris muscle group that is underneath the Rectus Femoris muscle, spans and covers the upper two-thirds of the anterior and lateral surfaces of the femur, and inserts into the lateral border of the patella.  | Vastus Intermedius Muscle      |
| C53073      | MUSCLE, VASTUS LATERALIS            |                                  | The largest muscle of the quadriceps femoris muscle group that extends laterally from the intertrochanteric line of the femur to the lateral aspects of the quadriceps femoris tendon and patella.   | Vastus Lateralis               |

| C77529 SPEC |                                  |                       |  |                                  |
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| NCI Code    | CDISC Submission Value           | CDISC Synonym         | CDISC Definition   | NCI Preferred Term               |
| C117736     | MUSCLE, VASTUS MEDIALIS          |                       | The portion of the quadriceps femoris muscle group that extends medially from the intertrochanteric line of the femur to the medial aspects of the quadriceps femoris tendon and patella. (NCI)  | Vastus Medialis Muscle           |
| C49594      | NASAL TURBINATE                  |                       | One of three (Inferior, Middle, Superior) paired bony shelves located within the nasal cavity through which inhaled air is taken into the nasopharynx. It is lined with ciliated, pseudostratified columnar epithelium and functions to humidify, heat, and filter incoming air, as well as protecting the olfactory bulb and sinuses from incorrectly pressurized incoming air. (NCI)   | Nasal Turbinate                  |
| C77659      | NASAL-ASSOCIATED LYMPHOID TISSUE | NALT                  | The lymphocytic cell population present in the mucosa of the nasopharyngeal duct.  | Nasal-Associated Lymphoid Tissue |
| C12423      | NASOPHARYNX                      | Nasopharynx           | The part of the pharynx in the back of the throat, at and above the soft palate. The nasopharynx is continuous with the nasal passages. (NCI)  | Nasopharynx                      |
| C13052      | NERVE                            |                       | The tissue that generates and conducts electrical signals in the body. It contains the neurons.  | Nerve Tissue                     |
| C54024      | NERVE ROOT                       |                       | One of the two bundles of nerve fibers (dorsal and ventral roots) emerging from the spinal cord that join to form each spinal nerve. (NCI)   | Nerve Root                       |
| C12682      | NERVE, BRACHIAL                  | Brachial Plexus       | A nerve network originating from C5 to T1 that supplies cutaneous and muscular innervation to the arm and hand. (NCI)  | Brachial Plexus                  |
| C12700      | NERVE, CRANIAL                   |                       | Any of the 12 paired nerves that originate in the brain stem. (NCI)  | Cranial Nerve                    |
| C12714      | NERVE, FACIAL                    | Seventh Cranial Nerve | The 7th cranial nerve. The facial nerve has two parts, the larger motor root which may be called the facial nerve proper, and the smaller intermediate or sensory root. Together they provide efferent innervation to the muscles of facial expression and to the lacrimal and salivary glands, and convey afferent information for taste from the anterior two-thirds of the tongue and for touch from the external ear. (MeSH) | Facial Nerve                     |
| C52815      | NERVE, MEDIAN                    |                       | A branch of the brachial plexus that extends along the anterior aspect of the forearm and the hand. (NCI)  | Median Nerve                     |
| C12761      | NERVE, OPTIC                     | Optic Nerve           | The second cranial nerve. (NCI)  | Optic Nerve                      |
| C12768      | NERVE, PERIPHERAL                | Peripheral Nerve      | Any nerve outside the brain or spinal cord that connects with peripheral receptors or effectors. (NCI)   | Peripheral Nerve                 |
| C52814      | NERVE, PERONEAL                  | Nerve, Fibular        | Any one of the three (Common, Deep, and Superficial) peroneal nerves.  | Peroneal Nerve                   |
| C92601      | NERVE, PERONEAL, COMMON          |                       | A terminal branch of the sciatic nerve. It innervates the calf and foot.   | Common Peroneal Nerve            |
| C92602      | NERVE, PERONEAL, DEEP            |                       | A branch of the common peroneal nerve. It innervates the ankle and toes.   | Deep Peroneal Nerve              |
| C92603      | NERVE, PERONEAL, SUPERFICIAL     |                       | A branch of the common peroneal nerve. It innervates the surface of the calf and foot.   | Superficial Peroneal Nerve       |
| C77674      | NERVE, PLANTAR                   |                       | A nerve that innervates the sole of the foot. This term may refer to the medial plantar nerve or lateral plantar nerve, both of which originate from the tibial nerve. (NCI)   | Plantar Nerve                    |
| C52812      | NERVE, RADIAL                    |                       | A large nerve that arises from the brachial plexus and enervates the extensor muscles and skin of the entire upper limb's posterior aspect. (NCI)  | Radial Nerve                     |
| C52810      | NERVE, SCIATIC                   | Sciatic Nerve         | The longest single nerve that is formed by the merging of the ventral rami of the L4, L5, and S1 in the pelvis and passes down the lower limb where it divides into the common peroneal and tibial nerves. (NCI)   | Sciatic Nerve                    |
| C12792      | NERVE, SPINAL                    | Spinal Roots          | Paired nerves that arise from the spinal cord.   | Spinal Nerve                     |
| C77675      | NERVE, SURAL                     |                       | A peripheral nerve that runs close to the small saphenous vein. It supplies innervation to the skin of the lower back of the leg and sends a branch to the lateral side of the foot and little toe. (NCI)  | Sural Nerve                      |



| C77529 SPEC |                        |  |   |                      |
|-------------|------------------------|--|---|----------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term   |
| C52809      | NERVE, TIBIAL          |  | One of two major branches of the sciatic nerve. It innervates the muscles of the lower limb and the muscles of the plantar aspect of the foot.  | Tibial Nerve         |
| C12806      | NERVE, TRIGEMINAL      | Fifth Cranial Nerve;Nervus Trigeminus;Trigeminal Nerve       | The fifth set of paired nerves of the face that emerge from the brain stem. These nerves have sensory and motor functions in the face, oral cavity, and nasal cavity. (NCI)   | Trigeminal Nerve     |
| C52807      | NERVE, ULNAR           |  | A nerve in the arm that runs along the inside of the upper arm down to the palm and little finger.  | Ulnar Nerve          |
| C12812      | NERVE, VAGUS           |  | The 10th cranial nerve. The vagus is a mixed nerve which contains somatic afferents (from skin in back of the ear and the external auditory meatus), visceral afferents (from the pharynx, larynx, thorax, and abdomen), parasympathetic efferents (to the thorax and abdomen), and efferents to striated muscle (of the larynx and pharynx). (MSH2001) | Vagus Nerve          |
| C12299      | NIPPLE                 | Nipple   | The pigmented protuberance on the surface of the breast through which milk is drawn from the breast. (NCI)  | Nipple               |
| C12756      | NOSE                   | Nose   | A structure of special sense serving as an organ of the sense of smell and as an entrance to the respiratory tract. (NCI)   | Nose                 |
| C13197      | NUCLEUS                | Cell Nucleus   | A body within the cell, surrounded by a membrane, within which lie the chromosomes, one or more nucleoli, combined with proteins, and exhibits mitosis. (NCI)   | Nucleus              |
| C98765      | OLFACTORY REGION       |  | The area of mucosa in the nose lined by olfactory epithelium and containing olfactory glands. (NCI)   | Olfactory Region     |
| C98766      | OMASUM                 |  | The third compartment of the forestomach of ruminants with many long folds of mucosa (resembling a book). (NCI)   | Omasum               |
| C33209      | OMENTUM                | Omental Fat  | A fold of peritoneum originating at the stomach and supporting the viscera. (NCI)   | Omentum              |
| C12760      | OPTIC DISC             | Optic Nerve Head;Optic Papilla;Second Cranial Nerve          | A portion of the retina at which the axons of the ganglion cells exit the eyeball to form the optic nerve. No light-sensitive photoreceptors are contained within this portion of the retina. (NCI)   | Optic Disc           |
| C92600      | OROPHARYNX             |  | Tissue that occupies the area between the soft palate and upper portion of the epiglottis. (NCI)  | Oropharyngeal Tissue |
| C12404      | OVARY                  | Ovary  | One of the paired female reproductive glands containing the ova or germ cells; the ovary's stroma is a vascular connective tissue containing numbers of ovarian follicles enclosing the ova. (NCI)  | Ovary                |
| C92595      | OVARY/OVIDUCT          |  | A laboratory specimen consisting of the ovaries and oviduct. (NCI)  | Ovary/Oviduct        |
| C12403      | OVIDUCT                | Fallopian Tube   | One of a pair of tubes that extend from the uterus to each of the ovaries. Following ovulation the egg travels down the fallopian tube to the uterus where fertilization may or may not occur. (NCI)  | Fallopian Tube       |
| C12229      | PALATE                 |  | The roof of the oral cavity. It separates the oral cavity from the nasal cavity.  | Palate               |
| C12230      | PALATE, HARD           | Hard Palate  | The bony anterior part of the roof of the mouth separating the nose from the mouth. (NCI)   | Hard Palate          |
| C12231      | PALATE, SOFT           |  | A movable fold suspended from the posterior border of the hard palate. (MeSH)   | Soft Palate          |
| C12393      | PANCREAS               |  | An organ located adjacent to the stomach that contains both exocrine and endocrine tissue.  | Pancreas             |
| C119578     | PAPILLA, DUODENAL      |  | An opening on the duodenal mucosa where the bile and pancreatic ducts enter the duodenum.   | Duodenal Papilla     |
| C12763      | PARANASAL SINUS        | Accessory Sinuses;Nasal Cavity;Nasal Sinuses;Paranasal Sinus | An air-filled cavity adjacent to the nasal cavity lined by a mucous membrane and located in the bones of the skull. There are four paranasal sinuses on each side of the face: ethmoid, frontal, maxillary, and sphenoid sinus. (NCI)   | Paranasal Sinus      |

| C77529 SPEC |                        |                        |   |                       |
|-------------|------------------------|------------------------|---|-----------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym          | CDISC Definition  | NCI Preferred Term    |
| C77660      | PAW                    |                        | The foot of a quadruped animal, including canines, felines, mice, rats, and bears. The paw contains claws or nails and pads composed of a thick keratinized dermis covering collagenous adipose tissue. (NCI)   | Paw                   |
| C49269      | PENIS                  |                        | The erectile tissues of the penis. It includes the dorsal corpora cavernosa and the ventral corpus spongiosum. Their structure consists of multiple vascular spaces that are surrounded by smooth muscle. (NCI)   | Penis Erectile Tissue |
| C13005      | PERICARDIUM            | Pericardium            | A conical membranous sac filled with serous fluid in which the heart as well as the roots of the aorta and other large blood vessels are contained. (NCI)   | Pericardium           |
| C33301      | PERINEUM               | Perineum               | The area located between the anus and vulva in females, and anus and scrotum in males. (NCI)  | Perineum              |
| C12770      | PERITONEUM             | Peritoneum             | The tissue that lines the wall of the abdominal cavity, intestine, and mesentery. It consists of the parietal peritoneum that covers the inside of the abdominal wall and the visceral peritoneum that covers the surface of the intestine and mesentery. (NCI) | Peritoneum            |
| C12771      | PEYER'S PATCH          |                        | Lymphoid tissue on the mucosa of the small intestine. (MeSH) (NCI)  | Peyer Patch           |
| C12425      | PHARYNX                | Pharynx                | A hollow tube that starts posterior to the mouth and nasal cavity and ends superior to the trachea and esophagus. (NCI)   | Pharynx               |
| C12292      | PINNA                  | Auricle;External Ear   | The external part of the ear. (NCI)   | External Ear          |
| C13272      | PLACENTA               |                        | An organ present in true mammals during embryonic development that provides the fetus with nutrients and oxygen, facilitates gas and waste exchange between the fetus and mother.   | Placenta              |
| C13356      | PLASMA                 |                        | Plasma is the fluid (acellular) portion of the circulating blood, as distinguished from the serum that is the fluid portion of the blood obtained by removal of the fibrin clot and blood cells after coagulation.  | Plasma                |
| C12469      | PLEURA                 | Pleural Tissue         | The tissue that lines the wall of the thoracic cavity and the surface of the lungs. (NCI)   | Pleura                |
| C12323      | PREPUCE                | Preputium Penis        | A covering fold of skin, often used alone to designate the preputium penis. (NCI)   | Prepuce               |
| C111301     | PROVENTRICULUS         |                        | A portion of the digestive system of birds, insects and invertebrates lying between the crop and the ventriculus. It is responsible for the secretion of gastric enzymes and moving food into the ventriculus.  | Proventriculus        |
| C12887      | RENAL PELVIS           |                        | The funnel-shaped proximal portion of the ureter located within the kidney into which urine is secreted, from the collecting duct system of the kidney. (NCI)   | Renal Pelvis          |
| C33467      | RETE TESTIS            |                        | A network of tubules that convey sperm from the seminiferous tubules within the testicles to the efferent ducts. (NCI)  | Rete Testis           |
| C98777      | RETICULUM              |                        | Smallest forestomach of ruminants with complex honeycomb folding of mucosa. (NCI)   | Reticulum             |
| C12298      | RETROPERITONEUM        | RETROPERITONEAL CAVITY | The back of the abdomen where the kidneys lie and the great blood vessels run. (NCI)  | Retroperitoneum       |
| C98778      | RUMEN                  | Paunch                 | Largest forestomach of ruminants where bacterial fermentation occurs. (NCI)   | Rumen                 |
| C125896     | SAC, ANAL              |                        | One of two pouches located on either side of the anus of most carnivores that contain the secretions of the anal sac glands.  | Anal Sac              |
| C14128      | SAC, YOLK              |                        | Membranous sac on the ventral aspect of the developing embryo that acts as a primitive circulatory system as well as providing nourishment. (NCI)   | Yolk Sac              |
| C13275      | SALIVA                 |                        | A clear liquid secreted into the mouth by the salivary glands and mucous glands of the mouth; moistens the mouth and starts the digestion of starches. (NCI)  | Saliva                |

| C77529 SPEC |                                    |  |   |                              |
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| NCI Code    | CDISC Submission Value             | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term           |
| C12785      | SCROTUM                            | Scrotum                                | The musculocutaneous pouch that encloses the testicles. (NCI)   | Scrotum                      |
| C13277      | SEMEN                              | Seminal Plasma                         | The thick, whitish secretion of the male reproductive organs. It is composed of spermatozoa in their nutrient plasma, secretions from the prostate, seminal vesicles, and various other glands, epithelial cells, and minor constituents. (NCI) | Semen                        |
| C13325      | SERUM                              | Sera                                   | The clear portion of the blood that remains after the removal of the blood cells and the clotting proteins. (NCI)   | Serum                        |
| C33556      | SINUS                              | Sinus                                  | A recess, cavity, or channel. (NCI)   | Sinus                        |
| C77676      | SITE, APPLICATION                  | Site, Exposure                         | The anatomic site at which medical intervention is administered. (NCI)  | Application Site             |
| C77677      | SITE, BIOPSY                       |  | The anatomic site targeted for a biopsy procedure. (NCI)  | Biopsy Site                  |
| C92596      | SITE, CATHETER                     |  | The anatomic site through which fluid is transferred into or out of the body using a catheter. (NCI)  | Catheter Site                |
| C77685      | SITE, EXTERIORIZATION              |  | The site of the surgical exposure of an internal organ or tissue. (NCI)   | Exteriorization Site         |
| C77678      | SITE, IMPLANTATION                 |  | The anatomic site at which a material such as a tissue, graft, device or radioactive material is inserted with some intended degree of permanence. This term may also refer to the site of the uterus at which the early embryo is attached.    | Implantation Site            |
| C77679      | SITE, INFUSION                     |  | The anatomic site through which fluid is introduced into the body. (NCI)  | Infusion Site                |
| C77680      | SITE, INJECTION                    |  | The anatomic site at which a medication or a vaccine is injected. (NCI)   | Injection Site               |
| C77681      | SITE, INJURY                       |  | The anatomic site at which damage or harm was suffered. (NCI)   | Injury Site                  |
| C77682      | SITE, MICROCHIP                    |  | The anatomic site at which a microchip is implanted. (NCI)  | Microchip Site               |
| C77683      | SITE, SURGICAL                     | Incision Site                          | The anatomic site of a cut made during surgery. The term may also refer to the resultant scar from the surgical procedure. (NCI)  | Incision Site                |
| C77684      | SITE, TATTOO                       |  | The anatomic site at which a tattoo is present. (NCI)   | Tattoo Site                  |
| C48322      | SITE, UNCERTAIN PRIMARY            |  | Referring to the fact that the original site of growth of a metastatic cancer is unknown or uncertain. (NCI)  | Primary Site Unknown         |
| C12470      | SKIN                               | Integument;Skin                        | An organ that constitutes the external surface of the body. It consists of the epidermis, dermis, and skin appendages. (NCI)  | Skin                         |
| C92441      | SKIN/SUBCUTIS                      |  | A tissue sample that contains the epidermis, dermis, and subcutaneous adipose tissue. (NCI)   | Skin/Subcutaneous Tissue     |
| C92437      | SMALL COLON                        |  | The terminal part of the colon of the horse with a reduced diameter. (NCI)  | Small Colon                  |
| C33573      | SMALL INTESTINE                    | Duodenum/Jejunum/Ileum;S<br>mall Bowel | The tissue of the small intestine. It comprises four layers - mucosa with simple columnar epithelium, submucosa, smooth muscle with inner circular and outer longitudinal layers, and serosa. (NCI)   | Small Intestinal Wall Tissue |
| C12263      | SMALL INTESTINE, DUODENUM          |  | A jointed tube 25-30 cm long that connects the stomach to the jejunum. (NCI)  | Duodenum                     |
| C12387      | SMALL INTESTINE, ILEUM             | Ileum                                  | The final section of the small intestine. (NCI)   | Ileum                        |
| C12388      | SMALL INTESTINE, JEJUNUM           | Jejunum                                | The portion of the small intestine that extends from the duodenum to the ileum. (NCI)   | Jejunum                      |
| C88024      | SMALL INTESTINE, SACCULUS ROTUNDUS |  | An anatomic structure exclusive to rabbits that is located at the terminal part of the ileum. It is rich in lymphoid tissue.  | Sacculus Rotundus            |

| C77529 SPEC |                            |   |  |                       |
|-------------|----------------------------|---|--|-----------------------|
| NCI Code    | CDISC Submission Value     | CDISC Synonym                                   | CDISC Definition   | NCI Preferred Term    |
| C12329      | SPERMATIC CORD             |   | A tube-like structure composed of the vas deferens and surrounding tissue layers, that runs from the abdomen to each of the testicles. (NCI)   | Spermatic Cord        |
| C12998      | SPINAL COLUMN              | Spinal Column;Vertebral Column                  | A series of bones, muscles, tendons, and other tissues reaching from the base of the skull to the tailbone. The vertebral column forms the axis of the skeleton and encloses as well as protects the spinal cord and the fluid surrounding the spinal cord. (NCI)  | Vertebral Column      |
| C12464      | SPINAL CORD                | Medulla Spinalis                                | The elongated, approximately cylindrical part of the central nervous system of vertebrates that lies in the vertebral canal and from which the spinal nerves emerge. (NCI)   | Spinal Cord           |
| C12892      | SPINAL CORD, CERVICAL      |   | The portion of the spinal cord located in the cervical region. (NCI)   | Cervical Spinal Cord  |
| C12895      | SPINAL CORD, LUMBAR        |   | The portion of the spinal cord located in the lumbar region. (NCI)   | Lumbar Spinal Cord    |
| C12896      | SPINAL CORD, SACRAL        |   | The portion of the spinal cord located in the sacral region. (NCI)   | Sacral Spinal Cord    |
| C12894      | SPINAL CORD, THORACIC      |   | The portion of the spinal cord located in the thoracic region. (NCI)   | Thoracic Spinal Cord  |
| C92597      | SPINAL CORD, THORACOLUMBAR |   | The region of the spinal cord pertaining to the thoracic and lumbar vertebrae. (NCI)   | Thoracolumbar Region  |
| C92438      | SPIRAL COLON               |   | The ascending colon of the ruminants and pigs. (NCI)   | Spiral Colon          |
| C34086      | SPLEEN                     |   | The largest mass of lymphatic tissue in the body. It consists of cells and vessels contained within a capsule lined by mesothelium, from which trabecula enter the splenic parenchyma. The parenchyma is supported by a framework of reticular fibers. The spleen consists of two types of parenchymal tissue, the white and red pulp. The white pulp is composed of elongated cords of compact lymphatic tissue containing nodules. The red pulp is composed of pulp cords and splenic sinusoids. (NCI) | Splenic Tissue        |
| C32664      | STOMACH                    |   | The tissue of the stomach. It is composed of a fibrous outer layer bounded by smooth muscle, the submucosa, and the mucosa. The mucosa of the stomach consists of secretory cells that produce hydrochloric acid and gastric enzymes. (NCI)  | Gastric Tissue        |
| C12256      | STOMACH, CARDIA            | Gastric Cardia                                  | The area around the esophagogastric mucosal junction where the esophageal mucosa transitions into the gastric mucosa. (NCI)  | Gastric Cardia        |
| C12257      | STOMACH, FUNDUS            | Fundus of the Stomach                           | The portion of the stomach that lies above the cardiac notch. It allows for the accumulation of gases produced by chemical digestion. (NCI)  | Fundus of the Stomach |
| C77661      | STOMACH, GLANDULAR         |   | The part of the stomach that is lined with glandular mucosa and receives the food from the esophagus. The mucosa contains gastric glands that secrete gastric acid. (NCI)  | Glandular Stomach     |
| C77662      | STOMACH, NONGLANDULAR      |   | The portion of the animal stomach that is responsible for storage and digestion of food particles but does not contain the gastric mucosa-associated glands.   | Nonglandular Stomach  |
| C12260      | STOMACH, PYLORUS           |   | The lower part of the stomach that connects to the duodenum. (NCI)   | Pylorus               |
| C33645      | SUBCUTIS                   | Subcutaneous Adipose Tissue;Subcutaneous Tissue | Adipose tissue located under the dermis. It binds underlying structures with the skin. The subcutis is important in the regulation of temperature of the skin itself and the body. The size of this layer varies throughout the body and from subject to subject.  | Subcutis              |
| C13280      | SWEAT                      | Sweat   | The liquid secreted by the sweat glands. (NCI)   | Sweat                 |
| C111323     | SYRINX                     |   | The vocal organ of a bird that is located in the lower portion of the larynx. (NCI)  | Syrinx                |
| C77663      | TAIL                       |   | The flexible prolonged structure of the posterior part of an animal's body. (NCI)  | Tail                  |

| C77529 SPEC |                        |  |  |                    |
|-------------|------------------------|--|--|--------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                          | CDISC Definition   | NCI Preferred Term |
| C33739      | TEAR                   |  | A fluid containing oils, mucin, and proteins, which is secreted by the lacrimal gland and cleans and lubricates the eye. (NCI)   | Tear               |
| C77664      | TEAT                   |  | The outer projections from the mammary organ of an animal. They are the structures through which the milk is discharged. (NCI)   | Teat               |
| C13045      | TENDON                 |  | A band of fibrous connective tissue that joins bone to muscle. (NCI)   | Tendon             |
| C96299      | TENDON SHEATH          |  | A membranous sheet that envelops a tendon.   | Tendon Sheath      |
| C32043      | TENDON, CALCANEAL      | Calcaneal Tendon                       | The tendon that connects the heel bone to the calf muscles at the back of the lower leg. (NCI)   | Achilles Tendon    |
| C12412      | TESTIS                 | Testicle;Testis                        | Either of the paired male reproductive glands that produce the male germ cells and the male hormones. (NCI)  | Testis             |
| C77668      | TESTIS/EPIDIDYMIS      |  | A laboratory specimen consisting of the testis and epididymis. (NCI)   | Testis/Epididymis  |
| C62484      | THORACIC WALL          | Chest Wall                             | The total system of structures outside the lungs that move as a part of breathing; it includes all structures from the skin to the parietal pleura. (NCI)  | Chest Wall         |
| C33952      | THYMUS                 |  | Tissue composed of a highly cellular outer cortex, and less cellular inner medulla. Both cortex and medulla contain epithelial cells, interdigitating dendritic cells, macrophages, and lymphocytes. (NCI) | Thymic Tissue      |
| C12801      | TISSUE                 |  | An anatomical structure consisting of similarly specialized cells and intercellular matrix, aggregated according to genetically determined spatial relationships, performing a specific function. (NCI)    | Tissue             |
| C12473      | TISSUE, SYNOVIAL       |  | The inner layer of the connective tissue that seals the joint. (NCI)   | Synovial Membrane  |
| C12422      | TONGUE                 | Tongue                                 | The muscular organ located in the floor of the mouth and serving as the principal organ of taste and modification of the voice in speech. (NCI)  | Tongue             |
| C38516      | TONSIL                 |  | Nodules of lymphoid tissue located on either side of the back of the nasal canal and throat. (NCI)   | Tonsillar Tissue   |
| C32988      | TONSIL, LINGUAL        |  | A mass of lymphoid tissue located at the base of the dorsal surface of the tongue.   | Lingual Tonsil     |
| C33250      | TONSIL, PALATINE       |  | Paired small tissue masses located on opposite sides of the oropharynx between the faucial pillars.  | Palatine Tonsil    |
| C33318      | TONSIL, PHARYNGEAL     | Adenoid;Pharyngeal Tonsil              | A fold of lymphatic tissue covered by ciliated epithelium at the very back of the nose, in the roof of the nasopharynx. (NCI)  | Pharyngeal Tonsil  |
| C33794      | TOOTH                  | Teeth                                  | The tissue that forms the tooth. It consists of the dental pulp, dentin, enamel, cementum, odontogenic epithelium, and periodontium. (NCI)   | Odontogenic Tissue |
| C32258      | TOOTH, CANINE          | Canine Tooth                           | A single-cusped (pointed) and usually single-rooted tooth located between the incisors and premolars. (NCI)  | Canine Tooth       |
| C32769      | TOOTH, INCISOR         | Incisor                                | One of the teeth in front of the canines in either jaw designed for cutting or gnawing. (NCI)  | Incisor            |
| C33136      | TOOTH, MOLAR           |  | A grinding tooth with a broad crown; located behind the premolars. (NCI)   | Molar Tooth        |
| C32201      | TOOTH, PREMOLAR        | Bicuspid Tooth;Premolar;Premolar Tooth | A tooth rostral to true molars and behind the canine when the latter are present.  | Bicuspid Tooth     |
| C12428      | TRACHEA                | Trachea;Windpipe                       | The fibrocartilaginous, mucous-lined tube passing from the larynx to the bronchi. (NCI)  | Trachea            |
| C33822      | TUNICA VAGINALIS       |  | Serous membrane that covers the testicles. (NCI)   | Tunica Vaginalis   |
| C112425     | TYMPANIC BULLA         |  | Bone structure covering the ventral aspect of the middle ear.  | Tympanic Bulla     |

| C77529 SPEC |                        |                                 |  |                    |
|-------------|------------------------|---------------------------------|--|--------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                   | CDISC Definition   | NCI Preferred Term |
| C12416      | URETER                 | Ureter                          | The thick-walled tube that carries urine from each kidney to the bladder. (NCI)  | Ureter             |
| C12417      | URETHRA                | Urethra                         | The tube carrying urine from the bladder to outside of the body. (NCI)   | Urethra            |
| C32209      | URINARY BLADDER        | Bladder;Urinary System, Bladder | The tissue that forms the bladder wall. It consists of mucosa, muscular coat, and serosal surface. (NCI)   | Bladder Tissue     |
| C13283      | URINE                  |                                 | The fluid that is excreted by the kidneys. It is stored in the bladder and discharged through the urethra. (NCI)   | Urine              |
| C12405      | UTERUS                 | Womb                            | A hollow muscular organ within which the fertilized egg implants and the embryo/fetus develops during pregnancy.   | Uterus             |
| C92436      | UTERUS/CERVIX          |                                 | A tissue sample that contains the body of uterus and the cervix. (NCI)   | Uterus/Cervix      |
| C77672      | UTERUS/OVARY           |                                 | A laboratory specimen consisting of the uterus and ovaries. (NCI)  | Uterus/Ovaries     |
| C12407      | VAGINA                 | Vagina                          | The female genital canal, extending from the uterus to the vulva. (NCI)  | Vagina             |
| C12670      | VALVE, AORTIC          |                                 | A valve that is located between and controls the flow of blood from the left ventricle of the heart and the aorta. (NCI)   | Aortic Valve       |
| C12729      | VALVE, CARDIAC         |                                 | Any of the four heart valves, including the two atrioventricular valves and the two semilunar valves, that regulate the flow of blood through the chambers of the heart. (NCI) | Cardiac Valve      |
| C12753      | VALVE, MITRAL          |                                 | A dual-flap valve of the heart that regulates the flow of blood between the left atrium and the left ventricle of the heart. (NCI)   | Mitral Valve       |
| C12775      | VALVE, PULMONARY       |                                 | A valve that is located between and controls the flow of blood from the right ventricle of the heart and the pulmonary artery. (NCI)   | Pulmonary Valve    |
| C12805      | VALVE, TRICUSPID       |                                 | A three-cusp valve of the heart that regulates the flow of blood between the right atrium and the right ventricle of the heart. (NCI)  | Tricuspid Valve    |
| C12813      | VAS DEFERENS           |                                 | A duct carrying spermatozoa from the epididymides to the urethra.  | Vas Deferens       |
| C12814      | VEIN                   | Vein                            | A blood vessel that carries blood towards the heart.   | Vein               |
| C77673      | VEIN, AURICULAR        |                                 | A vein located in the ear region. It may pertain to the anterior or posterior auricular veins. (NCI)   | Auricular Vein     |
| C12883      | VEIN, BRACHIAL         |                                 | Deep vein of the upper arm that forms at the junction of the radial and ulnar veins and ends at the inferior border of the teres major. (NCI)                                  | Brachial Vein      |
| C92598      | VEIN, CAUDAL           | Tail Vein                       | A vein located in the tail of vertebrate animals that leads to the inferior vena cava in mammals and the posterior cardinal vein in the trunk of fish. (NCI)                   | Caudal Vein        |
| C32286      | VEIN, CEPHALIC         | Cephalic Vein;Vena Cephalica    | One of five superficial veins of the upper extremity, beginning at the radial aspect of the wrist area, wrapping around the forearm and emptying into the axillary vein. (NCI) | Cephalic Vein      |
| C12716      | VEIN, FEMORAL          | Femoral Vein                    | A vein that starts within the inguinal region and extends to the lower extremities. (NCI)  | Femoral Vein       |
| C12738      | VEIN, JUGULAR          | Vena Jugularis                  | Veins in the neck which drain the brain, face, and neck into the brachiocephalic or subclavian veins. (NCI)  | Jugular Vein       |
| C53055      | VEIN, MESENTERIC       |                                 | One of two veins (inferior or superior) that returns deoxygenated blood from the intestines. (NCI)   | Mesenteric Vein    |
| C33343      | VEIN, PORTAL           | Hepatic Portal Vein;Portal Vein | A short thick trunk vein that transports blood containing the absorbed products of digestion from the intestine directly to the liver. (NCI)                                   | Portal Vein        |
| C12776      | VEIN, PULMONARY        |                                 | One of four veins that carries oxygen-rich blood from the lungs to the cardiac left atrium. (NCI)  | Pulmonary Vein     |

| C77529 SPEC |                        |                          |  |                     |
|-------------|------------------------|--------------------------|--|---------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym            | CDISC Definition   | NCI Preferred Term  |
| C33462      | VEIN, RENAL            |                          | The veins which return blood from the kidneys to the vena cava. (NCI)  | Renal Vein          |
| C33511      | VEIN, SAPHENA          | Saphenous Vein           | One of two (Greater, Small) superficial veins of the leg and thigh. (NCI)  | Saphenous Vein      |
| C12817      | VEIN, VENA CAVA        | Vena Cava                | A large vein which returns blood from the head, neck and extremities to the heart. (NCI)   | Vena Cava           |
| C114236     | VENTRICULUS            |                          | A pouch below the proventriculus in some birds, insects, reptiles and invertebrates. It is responsible for digestion.  | Ventriculus         |
| C32213      | VESSEL, BLOOD          | Vessel                   | The tissue component of a blood vessel. Large vessels contain three layers of tissue, the tunica intima, tunica media, and tunica adventitia. Capillary tissue is composed of a single layer of endothelium and connective tissue. (NCI) | Blood Vessel Tissue |
| C33038      | VESSEL, LYMPHATIC      | Vessel, Lymph            | A tubule that carries lymph throughout the body. (NCI)   | Lymphatic Vessel    |
| C77666      | VOMITUS                | Emesis;Vomit             | Stomach contents that have returned to the mouth or are ejected beyond the mouth. (NCI)  | Vomit               |
| C12408      | VULVA                  | External Genitalia;Vulva | The external, visible part of the female genitalia surrounding the urethral and vaginal opening. The vulva includes the clitoris and inner as well as outer labia. (NCI)   | Vulva               |
| C77665      | WHOLE ANIMAL           | Carcass                  | Referring to the entire body of an animal. (NCI)   | Whole Animal        |
| C41067      | WHOLE BLOOD            |                          | Blood that has not been separated into its various components; blood that has not been modified except for the addition of an anticoagulant. (NCI)   | Whole Blood         |

## SPECIES (Species)

NCI Code: C77808, Codelist extensible: Yes

| C77808 SPECIES |                        |                 |  |                    |
|----------------|------------------------|-----------------|--|--------------------|
| NCI Code       | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term |
| C14192         | BOVINE                 | Cattle          | The domesticated ungulates, <i>Bos primigenius taurus</i> and <i>Bos primigenius indicus</i> .   | Cow                |
| C14191         | CAT                    |                 | The domestic cat, <i>Felis catus</i> . (NCI)   | Cat                |
| C14193         | CHICKEN                |                 | The common domestic fowl, <i>Gallus gallus</i> . (NCI)   | Chicken            |
| C14297         | CHIMPANZEE             |                 | The anthropoid ape, <i>Pan troglodytes</i> .   | Chimpanzee         |
| C91815         | CHINCHILLA             |                 | A member of the Chinchillidae family of crepuscular rodents.   | Chinchilla         |
| C14201         | DOG                    |                 | The domestic dog, <i>Canis familiaris</i> . (NCI)  | Dog                |
| C77097         | FERRET                 | Domestic Ferret | The common domestic mammal, <i>Mustela putorius</i> .  | Ferret             |
| C14207         | FISH                   |                 | Any jawed or jawless organisms in the phylum Chordata including the jawless fish, armored fish, cartilaginous fish, ray-finned fish and lobe-finned fish.  | Fish               |
| C14265         | FROG                   |                 | An amphibian in the order Anura, which includes the toads. (NCI)   | Frog               |
| C77807         | GERBIL                 |                 | Any of the small mammals belonging to the Gerbillinae subfamily.   | Gerbil             |
| C14210         | GOAT                   |                 | Any one of several species in the genus <i>Capra</i> , most commonly <i>Capra hircus</i> .   | Goat               |
| C14211         | GUINEA PIG             |                 | The domesticated guinea pig, <i>Cavia porcellus</i> . (NCI)  | Guinea Pig         |
| C14212         | HAMSTER                |                 | Any member of the subfamily cricetinae and the genres <i>Mesocricetus</i> , <i>Phodopus</i> , <i>Cricetus</i> , <i>Cricetulus</i> , <i>Allocrietulus</i> , <i>Cansumys</i> and <i>Tscherskia</i> .   | Hamster            |
| C14222         | HORSE                  |                 | The domestic horse, <i>Equus caballus</i> . (NCI)  | Horse              |
| C91816         | MASTOMYS               |                 | A genus of rodent in the family muridae.   | Mastomys           |
| C14243         | MONKEY                 |                 | Any haplorhine primate not belonging to the family Tarsiidae, Hylobatidae, Pongidae, or Hominidae; this does not correspond to any taxon. This group is divided into Old World monkeys (Cercopithecidae) and New World monkeys (Callitrichidae and Cebidae). | Monkey             |
| C14238         | MOUSE                  |                 | Any of numerous species of small rodents belonging to the genus <i>Mus</i> and various related genera of the family Muridae. (NCI)   | Mouse              |
| C14280         | PIG                    |                 | The domestic pig <i>Sus scrofa domestica</i> . (NCI)   | Pig                |
| C91812         | PIGEON                 |                 | A member of the Columbidae family of birds, most commonly referring to the species <i>Columba livia</i> .  | Pigeon             |
| C91813         | QUAIL                  |                 | A member of the Phasianidae family of pheasants that includes several genera, including <i>Coturnix</i> , <i>Anurophasis</i> , <i>Perdica</i> and <i>Ophrysa</i> .   | Quail              |
| C14264         | RABBIT                 |                 | Various members of the family Leporidae, especially those of the genus <i>Sylvilagus</i> . (NCI)   | Rabbit             |
| C14266         | RAT                    |                 | Any of numerous species of rodents belonging to the genus <i>Rattus</i> and/or various related genera of the family Muridae.   | Rat                |
| C14273         | SHEEP                  |                 | Any one of several species in the genus <i>Ovis</i> , most commonly <i>Ovis aries</i> .  | Sheep              |



**SRETST (SEND Respiratory Test Name)**

NCI Code: C120535, Codelist extensible: Yes

| <b>C120535 SRETST</b> |                                  |                                  |  |                                     |
|-----------------------|----------------------------------|----------------------------------|--|-------------------------------------|
| <b>NCI Code</b>       | <b>CDISC Submission Value</b>    | <b>CDISC Synonym</b>             | <b>CDISC Definition</b>  | <b>NCI Preferred Term</b>           |
| C120927               | Airway Resistance                | Airway Resistance                | A measurement of respiratory tract resistance to airflow during inspiration and expiration.  | Airway Resistance                   |
| C120928               | Depth of Respiration             | Depth of Respiration             | An assessment of the amount of air that is being inspired and expired.   | Depth of Respiration                |
| C120929               | End Expiratory Pause             | End Expiratory Pause             | The brief period at the end of exhalation when respiration ceases to adjust for oxygen consumption. The length of the pause varies with oxygen demand.                                 | End Expiratory Pause                |
| C120930               | End Inspiratory Pause            | End Inspiratory Pause            | The brief period at the end of inhalation when respiration ceases to adjust for oxygen consumption. The length of the pause varies with oxygen demand.                                 | End Inspiratory Pause               |
| C120937               | Enhanced Pause                   | Enhanced Pause                   | A unitless index of airway hyperreactivity used to evaluate changes in the shape of the airflow pattern of a subject using a whole-body flow plethysmograph.                           | Enhanced Pause                      |
| C120931               | Expiration Relaxation Time       | Expiration Relaxation Time       | Time required for reaching a fixed percentage of tidal volume during expiration.   | Expiration Relaxation Time          |
| C120932               | Expiration Time                  | Expiration Time                  | The amount of time it takes for exhalation of air to occur.  | Expiratory Time                     |
| C120933               | Forced Expiratory Volume         | Forced Expiratory Volume         | Volume of air that a subject with fully inflated lungs can breathe out per unit time.  | Forced Expiratory Volume            |
| C120934               | Inspiration Time                 | Inspiration Time                 | The amount of time it takes for inhalation of air to occur.  | Inspiratory Time                    |
| C120935               | Mean Pulmonary Arterial Pressure | Mean Pulmonary Arterial Pressure | The mean pressure of the blood within the pulmonary circulation. The pulmonary pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. | Mean Pulmonary Arterial Pressure    |
| C120936               | Minute Volume                    | Minute Volume                    | The amount of gas inspired or expired in one minute.   | Minute Volume                       |
| C41372                | Peak Expiratory Flow             | Peak Expiratory Flow             | The maximal flow achieved during the maximally forced expiration initiated at maximum inhalation.  | Peak Expiratory Flow                |
| C120938               | Peak Expiratory Pressure         | Peak Expiratory Pressure         | The peak pressure in the lungs during expiration.  | Peak Expiratory Pressure            |
| C120939               | Peak Inspiratory Flow            | Peak Inspiratory Flow            | The maximum rate of inhalation.  | Peak Inspiratory Flow Rate          |
| C120940               | Peak Inspiratory Pressure        | Peak Inspiratory Pressure        | The maximum pressure of inhaled air.   | Peak Inspiratory Pressure           |
| C120942               | Pulmonary Compliance             | Pulmonary Compliance             | The elasticity of the pulmonary walls.   | Pulmonary Compliance                |
| C120941               | Pulmonary Diastolic Pressure     | Pulmonary Diastolic Pressure     | The blood pressure in the pulmonary artery after the contraction of the heart while the chambers of the heart refill with blood.   | Pulmonary Artery Diastolic Pressure |
| C120943               | Pulmonary Systolic Pressure      | Pulmonary Systolic Pressure      | The blood pressure in the pulmonary artery during the contraction of the left ventricle of the heart.  | Pulmonary Artery Systolic Pressure  |
| C49678                | Respiratory Rate                 | Respiratory Rate                 | The rate of breathing (inhalation and exhalation) measured within in a unit time, usually expressed as breaths per minute. (NCI)   | Respiratory Rate                    |
| C111324               | Tidal Volume                     | Tidal Volume                     | The volume of air moved into and out of the lungs during breathing at rest.  | Tidal Volume                        |
| C111325               | Total Lung Capacity              | Total Lung Capacity              | The total volume of air in the lungs after maximum inhalation.   | Total Lung Capacity                 |

## SRETSTCD (SEND Respiratory Test Code)

NCI Code: C120534, Codelist extensible: Yes

| C120534 SRETSTCD |                        |                                  |  |                                     |
|------------------|------------------------|----------------------------------|--|-------------------------------------|
| NCI Code         | CDISC Submission Value | CDISC Synonym                    | CDISC Definition   | NCI Preferred Term                  |
| C120927          | AIRRES                 | Airway Resistance                | A measurement of respiratory tract resistance to airflow during inspiration and expiration.  | Airway Resistance                   |
| C120928          | DEPTHRES               | Depth of Respiration             | An assessment of the amount of air that is being inspired and expired.   | Depth of Respiration                |
| C120929          | ENDEXPPR               | End Expiratory Pause             | The brief period at the end of exhalation when respiration ceases to adjust for oxygen consumption. The length of the pause varies with oxygen demand.                                 | End Expiratory Pause                |
| C120930          | ENDINSPR               | End Inspiratory Pause            | The brief period at the end of inhalation when respiration ceases to adjust for oxygen consumption. The length of the pause varies with oxygen demand.                                 | End Inspiratory Pause               |
| C120931          | EXPRELTIM              | Expiration Relaxation Time       | Time required for reaching a fixed percentage of tidal volume during expiration.   | Expiration Relaxation Time          |
| C120932          | EXPTIME                | Expiration Time                  | The amount of time it takes for exhalation of air to occur.  | Expiratory Time                     |
| C120933          | FEV                    | Forced Expiratory Volume         | Volume of air that a subject with fully inflated lungs can breathe out per unit time.  | Forced Expiratory Volume            |
| C120934          | INSTIME                | Inspiration Time                 | The amount of time it takes for inhalation of air to occur.  | Inspiratory Time                    |
| C120935          | MPAP                   | Mean Pulmonary Arterial Pressure | The mean pressure of the blood within the pulmonary circulation. The pulmonary pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. | Mean Pulmonary Arterial Pressure    |
| C120936          | MV                     | Minute Volume                    | The amount of gas inspired or expired in one minute.   | Minute Volume                       |
| C41372           | PEF                    | Peak Expiratory Flow             | The maximal flow achieved during the maximally forced expiration initiated at maximum inhalation.  | Peak Expiratory Flow                |
| C120937          | PENH                   | Enhanced Pause                   | A unitless index of airway hyperreactivity used to evaluate changes in the shape of the airflow pattern of a subject using a whole-body flow plethysmograph.                           | Enhanced Pause                      |
| C120938          | PKEXPPR                | Peak Expiratory Pressure         | The peak pressure in the lungs during expiration.  | Peak Expiratory Pressure            |
| C120939          | PKINSFL                | Peak Inspiratory Flow            | The maximum rate of inhalation.  | Peak Inspiratory Flow Rate          |
| C120940          | PKINSPR                | Peak Inspiratory Pressure        | The maximum pressure of inhaled air.   | Peak Inspiratory Pressure           |
| C120941          | PULDIABP               | Pulmonary Diastolic Pressure     | The blood pressure in the pulmonary artery after the contraction of the heart while the chambers of the heart refill with blood.   | Pulmonary Artery Diastolic Pressure |
| C120942          | PULMCOMP               | Pulmonary Compliance             | The elasticity of the pulmonary walls.   | Pulmonary Compliance                |
| C120943          | PULSYSBP               | Pulmonary Systolic Pressure      | The blood pressure in the pulmonary artery during the contraction of the left ventricle of the heart.  | Pulmonary Artery Systolic Pressure  |
| C49678           | RESPRATE               | Respiratory Rate                 | The rate of breathing (inhalation and exhalation) measured within in a unit time, usually expressed as breaths per minute. (NCI)   | Respiratory Rate                    |
| C111324          | TIDALVOL               | Tidal Volume                     | The volume of air moved into and out of the lungs during breathing at rest.  | Tidal Volume                        |
| C111325          | TLUNGCAP               | Total Lung Capacity              | The total volume of air in the lungs after maximum inhalation.   | Total Lung Capacity                 |

## SSTYP (SEND Study Type)

NCI Code: C90003, Codelist extensible: Yes

| C90003 SSTYP |   |  |  |  |
|--------------|---|--|--|--|
| NCI Code     | CDISC Submission Value                    | CDISC Synonym  | CDISC Definition   | NCI Preferred Term   |
| C79369       | ABSORPTION                                | FDA RPS Pharmacokinetics: Absorption   | The branch of pharmacokinetics that studies the process by which a drug is absorbed by the body.   | Pharmacokinetics: Absorption   |
| C15967       | ADME                                      | Absorption, Distribution, Metabolism and Excretion   | A study that is designed to investigate the absorption, distribution, metabolism and excretion of a drug.  | ADME Study   |
| C79368       | ANALYTICAL METHODS AND VALIDATION REPORTS | FDA RPS Analytical Methods And Validation Reports  | An indication or description of the process by which the truth of something is tested or found.  | Analytical Methods and Validation Reports  |
| C79391       | ANTIGENICITY                              | FDA RPS Other Toxicity Studies: Antigenicity   | A toxicity study that assesses the ability of a substance to induce an antigenic response in an animal.  | Other Toxicity Studies: Antigenicity   |
| C49664       | BIOAVAILABILITY                           |  | A study of the degree to which or rate at which a drug or other substance is absorbed or becomes available at the site of physiological activity after administration. (NCI) | Bioavailability Study  |
| C79380       | CARCINOGENICITY                           | FDA RPS Toxicology: Carcinogenicity  | A study that assesses the toxic effects of a compound in animals after repeated administrations with particular emphasis on determining the carcinogenicity of the compound. | Toxicology: Carcinogenicity  |
| C18079       | CARDIOVASCULAR PHARMACOLOGY               |  | The study of the effects of drugs upon the heart or circulatory system.  | Cardiovascular Pharmacology  |
| C90370       | CNS PHARMACOLOGY                          |  | The branch of pharmacology that deals with the central nervous system. (NCI)   | Central Nervous System Pharmacology  |
| C79394       | DEPENDENCE                                | FDA RPS Other Toxicity Studies: Dependence   | A study that assesses the capacity of a substance to become an abuse liability.  | Other Toxicity Studies: Dependence   |
| C79370       | DISTRIBUTION                              | FDA RPS Pharmacokinetics: Distribution   | The branch of pharmacokinetics that studies the process by which a drug is distributed by the body.  | Pharmacokinetics: Distribution   |
| C79386       | EMBRYO FETAL DEVELOPMENT                  | FDA RPS Reproductive And Developmental Toxicity: Embryofetal Development                     | A toxicity study that assesses the effects of a substance on embryonic and fetal development.  | Reproductive and Developmental Toxicity: Embryofetal Development                     |
| C79372       | EXCRETION                                 | FDA RPS Pharmacokinetics: Excretion  | The branch of pharmacokinetics that studies the process by which a drug is eliminated by the body.   | Pharmacokinetics: Excretion  |
| C79385       | FERTILITY AND EARLY EMBRYONIC DEVELOPMENT | FDA RPS Reproductive And Developmental Toxicity: Fertility And Early Embryonic Development   | A study that assesses the effects of a substance on an organism's fertility and/or embryonic development.  | Reproductive and Developmental Toxicity: Fertility and Early Embryonic Development   |
| C90388       | GASTROINTESTINAL PHARMACOLOGY             |  | The branch of pharmacology that deals with the gastrointestinal system. (NCI)  | Gastrointestinal Pharmacology  |
| C79378       | GENOTOXICITY IN VITRO                     | FDA RPS Genotoxicity: In Vitro   | A genotoxicity study that tests the ability of a substance to cause DNA damage not in intact animals, but in cells or other systems.   | Genotoxicity: In Vitro   |
| C79379       | GENOTOXICITY IN VIVO                      | FDA RPS Genotoxicity: In Vivo  | A genotoxicity study that tests the ability of a substance to cause DNA damage within the body.  | Genotoxicity: In Vivo  |
| C79392       | IMMUNOTOXICITY                            | FDA RPS Other Toxicity Studies: Immunotoxicity   | A toxicity study that assesses potential harm to the immune system.  | Other Toxicity Studies: Immunotoxicity   |
| C79396       | IMPURITIES                                | FDA RPS Other Toxicity Studies: Impurities   | A study that assesses the effects of impurities that may be found in a substance.  | Other Toxicity Studies: Impurities   |
| C79388       | JUVENILE STUDIES                          | FDA RPS Studies In Which The Offspring (Juvenile Animals) Are Dosed And/Or Further Evaluated | A toxicology study that assesses the effects of a substance on a subject that received treatment and/or was dosed beginning during the juvenile stage of development.        | Studies in which the Offspring (Juvenile Animals) are Dosed and/or Further Evaluated |
| C79389       | LOCAL TOLERANCE                           | FDA RPS Toxicology: Local Tolerance  | A toxicology study that assesses the effects of a substance when administered to a restricted portion of the body.   | Toxicology: Local Tolerance  |
| C79393       | MECHANISTIC STUDIES                       | FDA RPS Other Toxicity Studies: Mechanistic Studies  | A study that investigates the process by which a substance induces its effects.  | Other Toxicity Studies: Mechanistic Studies  |

| C90003 SSTYPE |                                    |   |   |   |
|---------------|------------------------------------|---|---|---|
| NCI Code      | CDISC Submission Value             | CDISC Synonym   | CDISC Definition  | NCI Preferred Term  |
| C79371        | METABOLISM                         | FDA RPS Pharmacokinetics: Metabolism  | The branch of pharmacokinetics that studies the process by which a drug is metabolized by the body.   | Pharmacokinetics: Metabolism  |
| C79395        | METABOLITES                        | FDA RPS Other Toxicity Studies: Metabolites   | A study that evaluates the effects of a metabolite of a substance.  | Other Toxicity Studies: Metabolites   |
| C112431       | ONCOGENICITY                       |   | A study to test whether certain biological agents (e.g., viruses) or materials (e.g., nucleic acids) are capable of immortalizing cells and endowing them with the capacity to form tumors.   | Oncogenicity  |
| C79367        | PHARMACODYNAMIC DRUG INTERACTIONS  | FDA RPS Pharmacology: Pharmacodynamic Drug Interactions   | The branch of pharmacology that deals with the mechanism of action and biochemical and physiological effects of drug-drug interactions.   | Pharmacology: Pharmacodynamic Drug Interactions   |
| C79373        | PHARMACOKINETIC DRUG INTERACTIONS  | FDA RPS Pharmacokinetics: Drug Interactions   | The branch of pharmacokinetics that studies the process by which two or more drugs in a system are absorbed, distributed, metabolized, and eliminated by the body.  | Pharmacokinetics: Drug Interactions   |
| C116216       | PHOTOTOXICITY                      |   | A study that assesses a toxic response from a substance which is either elicited or increased (apparent at lower dose levels) after subsequent exposure to light, or that is induced by skin irradiation after systemic administration of a substance (adapted from OECD Guideline for Testing of Chemicals, copyright OECD, 2004, TG 432). | Phototoxicity Study   |
| C79387        | PRENATAL AND POSTNATAL DEVELOPMENT | FDA RPS Reproductive And Developmental Toxicity: Prenatal And Postnatal Development Including Maternal Function | A toxicity study that assesses the effects of a substance on an organism's development shortly before and after birth.  | Reproductive and Developmental Toxicity: Prenatal and Postnatal Development Including Maternal Function |
| C79364        | PRIMARY PHARMACODYNAMICS           | FDA RPS Pharmacology: Primary Pharmacodynamics  | The branch of pharmacology that deals with the biochemical and physiological effects of a drug and the mechanism of drug action in relation to its desired therapeutic target.  | Pharmacology: Primary Pharmacodynamics  |
| C18996        | RENAL PHARMACOLOGY                 |   | The science concerned with drugs and their actions and uses in kidney biology and the treatment of kidney disease. (NCI)  | Renal Pharmacology  |
| C79376        | REPEAT DOSE TOXICITY               | FDA RPS Toxicology: Repeat Dose Toxicity  | A study that assesses the toxic effects of a compound in animals after repeated administrations.  | Toxicology: Repeat Dose Toxicity [Species, Route, Duration]   |
| C90449        | RESPIRATORY PHARMACOLOGY           |   | The branch of pharmacology that deals with the respiratory system. (NCI)  | Respiratory Pharmacology  |
| C79365        | SECONDARY PHARMACODYNAMICS         | FDA RPS Pharmacology: Secondary Pharmacodynamics  | The branch of pharmacology that deals with the biochemical and physiological effects of a drug and the mechanism of drug action not related to its desired therapeutic target.  | Pharmacology: Secondary Pharmacodynamics  |
| C79375        | SINGLE DOSE TOXICITY               | FDA RPS Toxicology: Single Dose Toxicity  | A study that assesses the toxic effects of a compound in animals after a single administration.   | Toxicology: Single Dose Toxicity [Species and Route]  |
| C90478        | TOXICOKINETICS                     |   | Evaluation of the absorption, distribution, metabolism and excretion of a substance in relation to its toxicity in an animal.   | Toxicokinetics  |
| C19501        | TUMORIGENICITY                     |   | A study in which immortalized cells form tumors when inoculated into animals.   | Tumorigenicity  |

## STCAT (Study Category)

NCI Code: C90002, Codelist extensible: Yes

| C90002 STCAT |                        |  |   |   |
|--------------|------------------------|--|---|---|
| NCI Code     | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                        |
| C18809       | GENTOX                 | Genetic Toxicology   | The branch of toxicology that deals with adverse effects of chemical, physical or biological agents on genetic material.  | Genetic Toxicology                        |
| C16974       | P                      | Pharmacology   | Science that deals with the characteristics, effects, and uses of drugs and their interactions with living organisms.   | Pharmacology                              |
| C15299       | PK                     | Pharmacokinetics   | The characteristic movements of drugs within biological systems, as affected by absorption, distribution, binding, elimination, biotransformation, and excretion; particularly the rates of such movements. (NCI)                 | Pharmacokinetics                          |
| C90448       | REPRO                  | DART;Developmental and Reproductive Toxicology;Reproductive and Developmental Toxicology | The branch of toxicology that deals with adverse effects of chemical, physical or biological agents on reproduction and development.  | Reproductive and Developmental Toxicology |
| C90452       | SP                     | Safety Pharmacology  | A branch of pharmacology that investigates the potential undesirable pharmacodynamic effects of a substance on physiological functions in relation to exposure in the therapeutic range and above. (safetypharmacology.org) (NCI) | Safety Pharmacology                       |
| C17206       | TOX                    | Toxicology   | Toxicology is the study of the adverse effects of chemical, physical or biological agents on people, animals, and the environment.  | Toxicology                                |

## STRAIN (Strain/Substrain)

NCI Code: C77530, Codelist extensible: Yes

| C77530 STRAIN |                        |               |   |                       |
|---------------|------------------------|---------------|---|-----------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition  | NCI Preferred Term    |
| C37320        | 129/SV                 |               | Derived by Dunn (1928) from a mouse/chinchilla cross, the 129/Sv substrain has been recognized as a member of the Parental subgroup of substrains.  | 129/Sv Mouse          |
| C14650        | A/J                    |               | Derived by Strong (1921) from a cross between the Cold Spring harbor and Bagg Albino stocks. The A strain mouse has an albino coat (genotype a,b,c) and is susceptible to carcinogen-induced lung adenomas and cleft palate formation in response to cortisone. Also, the strain has defective macrophage function reminiscent of lps mutation common to other strains.   | A/J Mouse             |
| C14392        | ACI                    |               | Derived by Curtiss and Dunning (1926) at Columbia University by crossing an inbred August rat with an inbred 2331 Copenhagen rat, to Heston (1945) and then to the NIH (1950). The ACI rat strain is agouti in color with white belly and feet, and genotype A hi. (NCI)  | ACI, Rat Strain       |
| C76360        | AFRICAN GREEN          |               | The diurnal primate, Chlorocebus sabaeus.   | African Green Monkey  |
| C14505        | AKR/J                  |               | Originally disseminated by Detweiler and carried by Furth (1928-1936) and the Rockefeller Institute for subsequent generations. The AKR mouse has an albino coat (genotype a, B, c) and is highly susceptible to leukemias. The strain is viremic from birth in that all tissues express the AKV retrovirus and copies of the AKV genome are integrated in the mouse genome, which is associated with leukemia development. The AKR strain is also a source of the Thy1.1 thymocyte antigen, which is expressed on thymocyte, bone marrow and T cell progenitors and is used as a marker for a variety of stem cells. | AKR/J Mouse           |
| C98707        | B6.129-Trp53tm1Brd N5  |               | A partial congenic mouse with background strain of C57BL/6 and 129/Sv chimera, containing a heterozygous or homozygous p53 mutation. (NCI)  | B6.129-Trp53tm1Brd N5 |
| C76182        | B6C3F1                 |               | Derived from a cross between a C57BL/6 female and a C3H male, this hybrid strain is commonly used in the production of transgenic mice.   | B6C3 Mouse            |
| C14252        | BABOON                 |               | Multiple species of large terrestrial monkeys in the genus Papio, including P. hamadryas, P. papio, P. anubis, P. cynocephalus and P. ursinus.  | Baboon                |
| C37357        | BALB/C                 |               | Derived from albino mice stocks originally disseminated by Bagg (1913) to Snell in 1932 that has an albino coat with genotype A,b,c.  | BALB/c Mouse          |
| C53897        | BEAGLE                 |               | The Beagle is a hardy, sturdy squarely-built, small hound, with a short coat in tri-color, red and white, orange and white, or lemon and white. The ears are long, wide and pendant. There are two height classes, 13-15 inches (33-38 cm) and under 13 inches (33 cm). Weight: 20-25 pounds (9-11 kg).   | Beagle                |
| C14395        | BROWN NORWAY           | BN            | The common rat, Rattus norvegicus.  | BN, Rat Strain        |

| C77530 STRAIN |                        |                      |   |                            |
|---------------|------------------------|----------------------|---|----------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym        | CDISC Definition  | NCI Preferred Term         |
| C122234       | BS                     |                      | Developed by Dr. Carl Hansen at the NIH, this strain was derived from a cross between NIH Swiss and C57BL/6N mice. The Black Swiss mouse has genotype Tyrp1B, (a) and is homozygous for the rd1 mutation of the Pde6b gene. (NCI)   | Black Swiss Mouse          |
| C14396        | BUFFALO                | BUF                  | Derived from Buffalo stock of H. Morris to the NIH in 1950 and disseminated from Charles River since 1998, the Buffalo is a white albino rat, genotype c.   | BUF, Rat Strain            |
| C37367        | C3H/He                 |                      | Derived from the C3H progenitor strain that was passed to Heston in 1941. The C3H/He mouse has an agouti coat color, genotype +, rd and is wild type at the lps locus. (NCI)  | C3H/He Mouse               |
| C37369        | C3H/HeJ                |                      | Derived from the C3H progenitor strain that was passed to Heston in 1941 and to Jackson Lab in 1947. The C3H/HeJ mouse has an agouti coat color and genotype +, rd.   | C3H/HeJ Mouse              |
| C37376        | C57BL/10               |                      | Derived by Little (1921) from A Lathrop stocks and separated out before 1937, the C57BL/10 mouse has a black coat and carries a Y chromosome of Asian Mus musculus origin and a LINE-1 element from Mus spretus. Substrain C57BL/10 differs from other substrains at multiple loci, including H9, Igh2 and Lv, on chromosome 4 and has a high incidence of spontaneous mutations.   | C57BL/10 Mouse             |
| C14424        | C57BL/6                |                      | Derived by Little (1921) from A Lathrop stocks and separated out before 1937, the C57BL/6 mouse has a black coat and carries a Y chromosome of Asian Mus musculus origin and a LINE-1 element from Mus spretus. Substrain C57BL/6 differs from other substrains at multiple loci, including H9, Igh2 and Lv, on chromosome 4. This mouse model is prone to the development of fatty lesions in the aorta similar to atheromatous plaque in humans, as well as hyperglycemia, hyperinsulinemia, hypercholesterolemia and non-insulin-dependent diabetes mellitus in response to a high fat diet. | C57BL/6 Mouse              |
| C76364        | CALIFORNIAN            | California           | One of the larger rabbit breeds, the Californian has a rounded, medium-length body with a short coat that is white with black on the nose, ears, feet, legs, and tail. This lagomorph also has pink eye color with genotype np.   | California Rabbit          |
| C15158        | CB17 SCID              | Fox Chase SCID Mouse | Discovered by Bosma (1980) at Fox Chase Cancer Center, the CB17 SCID mouse has an autosomal recessive mutation in the Prkdc gene which causes a severe combined immunodeficiency affecting B and T lymphocytes.   | Fox Chase SCID Mouse       |
| C123644       | CB17 SCID BEIGE        |                      | A CB17 SCID mouse with an additional mutation on the Lyst gene which results in defective natural killer cells.   | Fox Chase SCID Beige Mouse |
| C98711        | CB6F1-TgN (RasH2)      | CBY6F1-Tg(HRAS)2Jic  | A transgenic mouse at F1 generation with background strain C57BL/6 crossed with BALB/cAn, containing three copies of the human c-Ha-Ras gene introduced in tandem. (NCI)  | CB6F1-TgN (RasH2)          |

| C77530 STRAIN |                        |                       |  |                        |
|---------------|------------------------|-----------------------|--|------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym         | CDISC Definition   | NCI Preferred Term     |
| C37396        | CBA/CA                 |                       | The CBA mouse from Strong (1920) was disseminated to Jackson Laboratory and then onto Haldane and Gruneberg (1932) and finally onto Carter (1947). The CBA/Ca female mice have long life spans whilst males have short life spans. Both males and females have high ceruloplasmin levels.  | CBA/Ca Mouse           |
| C37399        | CBA/J                  |                       | Developed by Strong (1920), the CBA/J mouse was disseminated to Andervont (1947) and then to Jackson Laboratory (1948). The CBA/J strain carries the gene for retinal degeneration (rd).   | CBA/J Mouse            |
| C15152        | CD1 NU                 |                       | An inbred strain of athymic, nude mouse developed by transferring the Foxn1nu gene to a CD1 mouse. (NCI)   | CD-1 Nude Mouse        |
| C76183        | CD1(ICR)               | CD-1;CD1;CD1 (ICR) BR | Derived from Rockefeller Swiss mice that were disseminated to the Institute of Cancer Research in Philadelphia (1948).   | ICR BR Mouse           |
| C77116        | CF1                    | CF-1                  | Thought to be wild albino in origin, this strain was obtained by Carworth farms from a Missouri laboratory. It was intensely inbred by N. Goto in 1978 from a single Carworth pair, the progeny of which is used today. The CF-1 mouse has an albino coat with genotype c.   | CF-1 Mouse             |
| C77091        | CHINESE                |                       | Originating in the deserts of northern China and Mongolia and kept in captivity since 1919, these hamsters exhibit a whitish/grey/brown coat color with a black stripe down the spine.   | Chinese Hamster        |
| C77092        | CHINESE SYRIAN         |                       | A hamster derived from a cross between a Chinese hamster and Syrian hamster.   | Chinese Syrian Hamster |
| C117981       | CORNISH CROSS          |                       | Derived from a cross between the commercial Cornish chicken and a White Plymouth Rock chicken, this breed grows rapidly and reaches 4-6 pounds in 6 weeks. (NCI)   | Cornish Cross Chicken  |
| C77117        | COTTON                 |                       | The rat of the genus Sigmodon.   | Cotton Rat             |
| C14232        | CYNOMOLGUS             |                       | The macaque, Macaca fascicularis.  | Cynomolgus Monkey      |
| C76186        | DAHL-S                 | SS                    | Derived by Rapp from a colony of Sprague-Dawley rats that were initially derived by LK Dahl at Brookhaven National Laboratories. The SS rat strain has been selected for its acute salt sensitivity.   | SS, Rat Strain         |
| C122235       | db/db                  |                       | The diabetic mutant mouse was derived from a spontaneous mutation in a C57BL/K progenitor mouse at the Jackson Laboratory in 1966. The db/db mouse is characterized by abnormal fat deposition at 3-4 weeks of age followed by hyperglycemia, glucosuria, polyuria and the development of lesions in the islets of Langerhans. (NCI) | db/db Mouse            |



| C77530 STRAIN |                        |               |  |                           |
|---------------|------------------------|---------------|--|---------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym | CDISC Definition   | NCI Preferred Term        |
| C14606        | DBA/1                  |               | Derived from crosses made by Little in 1929-1930 between DBA progenitors. The DBA/1 mouse has a q H2 haplotype and carries the Cdh23 <sup>ahl</sup> mutation that results in progressive hearing loss after 10 months of age. The DBA/1 and DBA/2 mice differ at loci Car2, Ce2, Hc, H2, If1, Lsh, Tla, and Qa3. The strain is commonly used as a model for rheumatoid arthritis as it mimics hallmarks of the human disease when immunized with type II collagen. (NCI)   | DBA/1 Mouse               |
| C14604        | DBA/2                  |               | Derived from crosses made by Little in 1929-1930 between DBA progenitors. The DBA/2 mouse has a d H2 haplotype and carries the Cdh23 <sup>ahl</sup> mutation that results in a progressive hearing loss beginning at 3-4 weeks of age and severe hearing loss after 3 months of age. Alleles GpnmbR150X and Tyrp1 <sup>isa</sup> contribute to an eye phenotype that closely resembles human hereditary glaucoma. The DBA/2 mouse strain shows severe intolerance to alcohol and morphine and is naturally CD94 deficient. (NCI) | DBA/2 Mouse               |
| C117982       | DOMESTIC               |               | The name for a domesticated animal that does not have a pedigree nor belong to a specific breed. (NCI)   | Domestic Animal           |
| C77088        | DUNKIN-HARTLEY         |               | Albino outbred guinea pig belonging to the English (short-haired) breed. The Dunkin Hartley guinea pig has a white coat color (acromelanistic albino) and red eyes and requires a nutritional source of vitamin C to sustain normal function.  | Dunkin Hartley Guinea Pig |
| C77101        | DUROC-CROSS            |               | An older breed of American domestic pig, the Duroc breed is of medium length with a muscular, large-framed body. This pig breed is red-colored with partially drooping ears and is one of the most aggressive breeds of swine.   | Duroc Pig                 |
| C76365        | DUTCH BELTED           |               | A smaller sized lagomorph, the Dutch belted rabbit has a characteristic belted appearance to the fur wherein the saddle, feet, and the front of the face are white while the rest of the body is colored. The Dutch belted rabbit is commonly utilized in biomedical research for toxicology studies, ophthalmological research, and developmental toxicity studies. This lagomorphs' small size lends itself to studies in which the study drug is available in smaller quantities or if housing space is a consideration.      | Dutch Belted Rabbit       |
| C14401        | FISCHER 344            | F344          | Derived by Curtiss and Dunning (1920) at Columbia University and disseminated to Heston (1949) and then to the NIH (1951). The Fischer 344 rat has an albino coat and genotype c.  | F344, Rat Strain          |
| C14474        | FVB/N                  |               | NIH general purpose Swiss mice were selected for resistance or sensitivity to histamine challenge following pertussis vaccination. The sensitive strain, HFSF/N, was subsequently found to have the Fv1b allele, which sensitizes the mice to B strain Friend Leukemia virus. The FVB/N strain has an albino coat with genotype A,B,c,D,P, and has a vigorous reproductive performance.  | FVB/N Mouse               |

| C77530 STRAIN |                                     |                         |  |                                     |
|---------------|-------------------------------------|-------------------------|--|-------------------------------------|
| NCI Code      | CDISC Submission Value              | CDISC Synonym           | CDISC Definition   | NCI Preferred Term                  |
| C98733        | FVB/NTac-Tg(Hba-x-v-Ha-ras)TG.ACLeD |                         | A transgenic mouse with background strain FVB/N containing a mouse Hba-x promoter coupled to an Hras1 coding sequence with activating mutations at G12 (G12R) and A59 (A59T) followed by a SV40 polyadenylation signal. (NCI)  | FVB/NTac-Tg(Hba-x-v-Ha-ras)TG.ACLeD |
| C77102        | GOTTINGEN                           |                         | The smallest of the common miniature breeds, this breed is 10-14kg at sexual maturity with a shortened snout and rounded appearance. The Gottingen pig has white skin and hair. It is used in a variety of applications in biomedical research including cardiovascular studies, and its small size makes it an ideal animal model due to its relative ease of handling and smaller housing requirements. (NCI)  | Gottingen Pig                       |
| C77103        | HAMPSHIRE                           |                         | One of the oldest original early American pig strains, the Hampshire pig originated from the Old English breed and was imported to North America in the mid-1800s. The Hampshire pig has black skin and hair covering most of its body with a white portion of skin covering its front limbs and back. The Hampshire pig is one of the larger pig breeds used in biomedical research. (NCI)  | Hampshire Pig                       |
| C77104        | HANFORD                             |                         | The largest of the miniature breeds, it reaches 25-40kg at sexual maturity. The Hanford pig is white with an elongated snout and has the largest heart and blood vessels of all pig breeds. It is used in biomedical research, among other things, in the testing of implantable devices in human cardiovascular research. (NCI)   | Hanford Pig                         |
| C77090        | HARTLEY                             |                         | Albino outbred guinea pig belonging to the English (short-haired) breed. The Hartley guinea pig was imported from the Medical Research Council, Millhill, England, to Charles River in 1968 for propagation. The Hartley Guinea Pig has a white coat color (acromelanic albino) and red eyes and requires a nutritional source of vitamin C to sustain normal function.  | Hartley Guinea Pig                  |
| C77089        | HARTLEY HAIRLESS                    | Hartley Albino Hairless | Derived from inbred Hartley stocks at the Eastman Kodak Company and Montreal's Institute Armand Frappier, having undergone spontaneous mutation that led to hairlessness and athymicity. The mutation that spawned the Hartley Hairless Guinea Pig was then re-derived at Charles River to restore thymus function while maintaining hairlessness.   | Hartley Albino Hairless Guinea Pig  |
| C76366        | JAPANESE WHITE                      |                         | A white colored rabbit characterized by efficient superovulation and spontaneous formation of lymphoma. It is used as an animal model for Guillan-Barre syndrome in humans, toxicology, virology. (NCI)  | Japanese White Rabbit               |
| C77105        | LANDRACE-CROSS                      |                         | Developed in Denmark by crossing native pigs with the Large White pig breed. The Landrace pig was imported into the UK in 1949 and disseminated worldwide beginning in the 1950s. This breed is characterized by white skin and the absence of black hair as well as lop ears and a long middle, light forequarter. The Landrace breed is susceptible to Porcine stress syndrome and malignant hyperthermia under anesthetic. This is one of the largest breeds in use in biomedical research. (NCI) | Landrace Pig                        |

| C77530 STRAIN |                               |                  |  |                             |
|---------------|-------------------------------|------------------|--|-----------------------------|
| NCI Code      | CDISC Submission Value        | CDISC Synonym    | CDISC Definition   | NCI Preferred Term          |
| C77098        | LEGHORNS                      |                  | A small, commonly white-colored breed of poultry that is renowned for its ability to produce up to 300 chalk white eggs per year. The fully-grown leghorn chicken averages 3-6 pounds in weight and is characterized by being noisy, flighty, and easily excited. The leghorn has a lifespan of 5-11 years in the wild. In pre-clinical research, the leghorn is a consistent provider of eggs for embryonic, angiogenic, and vasculogenic research. (NCI) | Leghorn Chicken             |
| C106538       | LEWIS                         | LEW              | Derived from Wistar stock by the laboratory of Dr. Lewis at the Wistar Institute in the 1940s and 1950s, the Lewis is a white albino rat with genotype a, TyrC. The Lewis rat has a MHC haplotype of RT1A'. (NCI)  | Lewis, Rat Strain           |
| C114342       | LISTER HOODED                 |                  | This rat comes from Lister stock at the Lister Institute in the 1920s, but the derivation origin is unknown. It has a white body coat color and black coat color over the head.  | LIS, Rat Strain             |
| C76188        | LONG EVANS                    | LE               | Derived by Long and Evans (1915) by crossing female Wistar rats with a wild gray male, the Long-Evans rat was disseminated to Charles River from Canadian Breeding Farm and Laboratories (1978). This outbred rat breed is white with a black or brown hood.   | LE, Rat Strain              |
| C77115        | MARMOSET                      |                  | The common marmoset, Callithrix jacchus.   | Marmoset                    |
| C91817        | MICRO YUCATAN MINIATURE SWINE | Yucatan Micropig | A strain of Yucatan pig that weighs less than 55 kg when full grown. It was developed at Colorado State University in 1978 and is used extensively in biomedical research.   | Yucatan Micropig            |
| C77106        | MICROPIG                      |                  | A Yucatan or other pig breed that is bred specifically for its small size. The micropig weighs between 14-20kg at sexual maturity. (NCI)   | Micropig                    |
| C77107        | MINIPIG                       |                  | A Yucatan, Gottingen, or other pig breed that is bred specifically for its small size. The Minipig weighs between 20-30kg at sexual maturity. (NCI)  | Minipig                     |
| C77100        | MONGOLIAN                     |                  | A rodent belonging to subfamily Gerbillinae, Meriones unguiculatus.  | Mongolian Gerbil            |
| C53951        | MONGREL                       |                  | A dog that is not purebred.  | Mix Breed                   |
| C114344       | NEW ZEALAND                   |                  | One of the larger rabbit breeds, the New Zealand was derived by Don Johnson in 1916 by crossing unknown breeds. This rabbit weighs between 9-12 lbs. fully grown and may come in a variety of coat colors.   | New Zealand Rabbit          |
| C106549       | NIH SLA MINIATURE SWINE       | NIH Minipig      | An inbred strain of miniature swine developed by Sachs et al at the NIH in 1976 from a cross between a Hormel pig and a Vita Vet miniature pig. (NCI)  | NIH Minipig                 |
| C15167        | NOD SCID                      | NOD.SCID         | Originally derived by Prochazka et al (1992) at Jackson Laboratories, by crossing a C.B-17 congenic background mouse with the scid mutation to a diabetes-susceptible non-obese diabetic (NOD) mouse. This mouse is albino in color with coat genotype TyrC.   | NOD.CB17-Prkdc-scid/J Mouse |
| C14239        | NU                            |                  | A hairless mutant mouse with thymic hypoplasia, lacking T-cells. They are unable to reject transplants. (NCI)  | Nude Mouse                  |

| C77530 STRAIN |                          |   |   |                    |
|---------------|--------------------------|---|---|--------------------|
| NCI Code      | CDISC Submission Value   | CDISC Synonym                                 | CDISC Definition  | NCI Preferred Term |
| C122236       | ob/ob                    |   | The obese mutant mouse was derived from a spontaneous mutation in a V/Le progenitor mouse at the Jackson Laboratory in 1949. (NCI)  | ob/ob Mouse        |
| C76187        | OFA(SD)                  |   | A hairless Sprague-Dawley rat from the Charles River affiliate IFFA Credo (Labresle, France). (NCI)   | OFA SD, Rat Strain |
| C14233        | RHESUS                   |   | A pale brown macaque, Macaca mulatta.   | Rhesus Monkey      |
| C122237       | RNU                      |   | An athymic, nude, outbred rat strain derived from crosses of 8 inbred rat strains at the laboratories of the NIH animal genetic resource in 1979-1980.  | RNU, Rat Strain    |
| C77099        | ROSS                     |   | A small white-colored broiler breed that averages 4-5.5 pounds when fully grown, with females averaging 120 eggs laid per year. Two substrains exist of Ross chickens; the Ross 308 and the Ross 708. The Ross 308 weighs between 3.8-5.5 pounds and is slightly smaller than the Ross 708 which can grow to be larger than 5.5 pounds. The Ross 708 is bred specifically for high meat yield and ease in deboning. (NCI)   | Ross Chicken       |
| C14412        | SHR                      |   | The spontaneous hypertensive rat was derived by Okamoto at the Kyoto school of medicine (1963) from a cross between an outbred Wistar Kyoto male with a significant elevation of blood pressure and a female Wistar Kyoto with elevated blood pressure. SHR rats develop hypertension spontaneously without exception at the age of 7-15 weeks with a systolic blood pressure plateau of about 200 mmHg. The genetic basis is polygenic, with at least three major genes involved (Tanase and Suzuki 1971, Yen et al 1974). | SHR, Rat Strain    |
| C91819        | SINCLAIR MINIATURE SWINE | Sinclair Miniature Swine;Sinclair S-1 Minipig | A strain of pig developed by the Hormel Institute at the University of Minnesota in 1949, acquired by the University of Missouri in 1965 and now exclusively bred at the Sinclair Research Center. This strain of pig grows to be no larger than 70 kg and exhibits multiple coat colors and patterns. The Sinclair minipig is used in biomedical research for a variety of applications.   | Sinclair Minipig   |
| C98782        | SKH1-Hr hr               | SKH1  | An uncharacterized and non-pedigreed hairless albino mouse strain that is immunocompetent and euthymic. (NCI)   | SKH1-Hr hr         |
| C76189        | SPRAGUE-DAWLEY           | SD  | Derived from Wistar rats at Sprague-Dawley farms, this rat strain is characterized by a calm temperament which lends itself to ease of handling. This rat strain has the following anatomical features: absent gallbladder, a one-lobed left lung and a four-lobed right lung, the inability to vomit, and the production of dark colored eye secretions during periods of stress.  | SD, Rat Strain     |
| C77114        | SQUIRREL                 |   | A small diurnal primate with nails instead of claws, Saimiri sciureus.  | Squirrel Monkey    |
| C106572       | SUFFOLK                  |   | A strain of sheep originally derived in England in the 1880s from a cross between a Southdown ram and a Norfolk Horned ewe. The Suffolk sheep has a white-colored body, black face and legs, and has a wool type of medium. (NCI)   | Suffolk Sheep      |

| C77530 STRAIN |                         |                 |  |                             |
|---------------|-------------------------|-----------------|--|-----------------------------|
| NCI Code      | CDISC Submission Value  | CDISC Synonym   | CDISC Definition   | NCI Preferred Term          |
| C106573       | SWISS WEBSTER           | SW;SWR          | Derived from inbreeding of Swiss mice at the Rockefeller Institute in 1926 by Dr. Leslie Webster, the Swiss Webster is a white albino mouse with genotype TyrC. The superior nurturing ability of the Swiss Webster makes it ideal for embryo transfers. (NCI)   | Swiss Webster Mouse         |
| C77095        | SYRIAN                  |                 | A captive hamster strain derived from a mother and eight pups that were captured in the wild in Aleppo, Syria by Dr. Israel Aharoni in 1930.   | Syrian Hamster              |
| C76190        | WISTAR                  | WIST            | An outbred strain of albino brown rat, this strain was developed at the Wistar Institute by Donaldson, Greenman, and King (1906). The Wistar rat has a wide head, long ears, and its tail length is always less than its body length. A wide variety of rat inbred strains have been derived from the Wistar.  | WIST, Rat Strain            |
| C14390        | WISTAR FURTH            | WF              | A Wistar substrain derived by Furth (1945), this inbred rat strain is a white albino with pink eyes, genotype c. The Wistar Furth rat carries a heteropyenotic Y chromosome that is used as a cellular marker.   | WF, Rat Strain              |
| C76191        | WISTAR HAN              | WH              | A Wistar substrain established in Hanover, Germany (1964), this rat breed is a white albino with pink eyes, genotype c.  | WH, Rat Strain              |
| C76192        | WISTAR KYOTO            | WKY             | An outbred Wistar substrain derived at Kyoto school of medicine and disseminated to the NIH in 1971 and finally to Charles River in 1974. The Wistar Kyoto is a white albino with pink eyes, genotype c.   | WKY, Rat Strain             |
| C76193        | WISTAR WU               | WI(WU)          | A Wistar substrain that was disseminated to Glaxo Laboratory (UK) from the Wistar Institute in Philadelphia in 1933, then to the Dutch Institution for Nutrition (Amsterdam, The Netherlands) and maintained by Unilever Company (Vlaardingen, The Netherlands) from 1941. This strain is now disseminated by Harland Nederland. The Wistar Unilever rat is an albino, genotype c and pink eyes. | Wistar Unilever, Rat Strain |
| C77108        | YUCATAN                 |                 | Originating from Mexico and Central America, this breed has a straight back and no potbelly, short snout, sparse hair coat and medium size ears. The Yucatan pig is slate gray to black in color. Its uses in biomedical research are varied and include diabetes research, cardiovascular research, angiogenesis, and ophthalmological research among others. (NCI)                             | Yucatan Pig                 |
| C91818        | YUCATAN MINIATURE SWINE | Yucatan Minipig | A strain of Yucatan pig that is found in the wild in Costa Rica and Mexico. It is a hairless, black or grey colored swine and weighs less than 70 kilograms at adulthood. It is used extensively in biomedical research.   | Yucatan Minipig             |
| C76194        | ZUCKER                  | ZUC-leprfa      | Derived from a spontaneous mutation in the leptin receptor that appeared in a 13M rat colony bred at the Zucker Laboratory of Comparative Pathology (Stow, MA), genotype leprfa.   | Z, Rat Strain               |

## STSPRM (SEND Trial Summary Parameter Test Name)

NCI Code: C90007, Codelist extensible: Yes

| C90007 STSPRM |                                 |  |   |   |
|---------------|---------------------------------|--|---|---|
| NCI Code      | CDISC Submission Value          | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term                      |
| C25150        | Age                             | Age                                    | How long something has existed; elapsed time since birth. (NCI)   | Age                                     |
| C90352        | Age Text                        | Age Text                               | A textual representation of a chronological age. (NCI)  | Age Text                                |
| C50400        | Age Unit                        | Age Unit                               | Those units of time that are routinely used to express the age of a person. (NCI)   | Age Unit                                |
| C90354        | Alternate Study ID              | Alternate Study ID                     | A backup sequence of characters used to identify a study. (NCI)   | Alternate Study Identifier              |
| C83216        | Arm Code                        | Arm Code                               | A character or string that represents a planned arm of a trial or study.  | Planned Arm Code                        |
| C90359        | Associated Study                | Associated Study                       | An indication that one study is related to another. (NCI)   | Associated Study                        |
| C90364        | Basal Diet                      | Basal Diet                             | The fundamental nutritional components that constitute an organism's daily intake of foodstuffs. (NCI)  | Basal Diet                              |
| C90366        | Bedding                         | Bedding                                | That which comprises the place where a subject sleeps. (NCI)  | Bedding Material                        |
| C90365        | Bedding Change                  | Bedding Change                         | A replacement of the existing materials that make up the sleeping area of a subject. (NCI)  | Bedding Change                          |
| C49647        | Control Type                    | Control Type                           | Comparator against which the study treatment is evaluated (e.g., concurrent (placebo, no treatment, dose-response, active), external (historical, published literature).  | Control Type                            |
| C25488        | Dose Level                      | Dose Level;Dose per Administration     | The amount of drug administered to a patient or test subject at one time or the total quantity administered. [AMA Manual of Style] (CDISC Glossary)   | Dose                                    |
| C73558        | Dose Units                      | Dose Units                             | The unit of measure for the dosage form.  | Dosage Form Unit                        |
| C90378        | Dosing Duration                 | Dosing Duration                        | The interval of time over which a course of doses occurs. (NCI)   | Duration of Dosing                      |
| C90377        | Drinking Water                  | Drinking Water                         | The type of drinking water that is planned to be provided to the subjects in a set (e.g., tap water, acidified, reverse osmosis, etc.).   | Drinking Water                          |
| C90379        | End Date/Time of Dose Interval  | End Date/Time of Dose Interval         | The date and time at which the dosing interval concludes. (NCI)   | End Date Time Of Dose Interval          |
| C90380        | Environmental Temperature       | Environmental Temperature              | The temperature of the surroundings. (NCI)  | Environmental Temperature               |
| C90381        | Environmental Temperature Units | Environmental Temperature Units        | The units of measure that are used to express the temperature of the surroundings. (NCI)  | Environmental Temperature Units         |
| C90382        | Experimental End Date           | Experimental End Date                  | Experimental completion date means the last date on which data are collected from the study. (OECD)   | Experiment End Date                     |
| C90487        | Experimental Start Date         | Experimental Start Date                | Experimental starting date means the date on which the first study specific data are collected. (OECD)  | Experiment Start Date                   |
| C90383        | Feeding Regimen                 | Feeding Regimen                        | A plan that specifies a diet, amount and schedule of nutritional intake.  | Feeding Regimen                         |
| C120944       | GLP Flag                        | GLP Flag;Good Laboratory Practice Flag | Indicates whether a study is conducted according to Good Laboratory Practices (GLP).  | Good Laboratory Practice Indicator Flag |
| C90389        | Good Laboratory Practice Type   | Good Laboratory Practice Type          | A quality system concerned with the organizational process and the conditions under which non-clinical health and environmental safety studies are planned, performed, monitored, recorded, archived and reported. (OECD) | Good Laboratory Practice Type           |
| C90391        | Group Label                     | Group Label                            | Alpha-numeric character(s) assigned to identify a particular collection of subjects possessing common characteristic(s).  | Group Label                             |
| C90394        | Housing Group                   | Housing Group                          | A classification of a group of animals based upon their shared living space.  | Housing Group                           |
| C90395        | Housing Humidity                | Housing Humidity                       | The amount of water vapor in the air of a living space.   | Housing Humidity                        |

| C90007 STSPRM |  |   |  |  |
|---------------|--|---|--|--|
| NCI Code      | CDISC Submission Value                 | CDISC Synonym                                     | CDISC Definition   | NCI Preferred Term   |
| C90396        | Housing Humidity Units                 | Housing Humidity Units                            | The units of measure that are used to express the humidity of a living space.  | Housing Humidity Units   |
| C90397        | Housing Type                           | Housing Type                                      | The classification of a living space.  | Housing Type   |
| C90398        | IACUC Number                           | IACUC Number                                      | The animal welfare assurance number issued by the NIH Office of Laboratory Animal Welfare (OLAW) after research protocols and evaluations are reviewed by the Institutional Animal Care and Use Committee (IACUC). (NCI) | IACUC Number   |
| C41161        | Investigational Therapy or Treatment   | Investigational Therapy or Treatment              | The investigational product under study.   | Protocol Agent   |
| C90419        | Light Cycle                            | Light Cycle                                       | The period of light that a subject is exposed to in a period of time, usually expressed as the amount of time in a 24 hour cycle.  | Light Cycle  |
| C90422        | Method of Identification               | Method of Identification                          | The mechanism by which the test subject is identified.   | Method Of Identification   |
| C90423        | Method of Termination                  | Method of Termination                             | The mechanism or means by which a life is ended.   | Method of Termination of Life  |
| C98768        | Pharmacologic Class                    | Pharmacologic Class                               | The pharmacological class of the investigational product.  | Pharmacological Class of Investigational Therapy                             |
| C90437        | Planned Number of Female Subjects      | Planned Number of Female Subjects                 | The intended quantity of female subjects.  | Planned Number of Female Subjects  |
| C90438        | Planned Number of Male Subjects        | Planned Number of Male Subjects                   | The intended quantity of male subjects.  | Planned Number of Male Subjects  |
| C95106        | Planned Number of Subjects             | Planned Number of Subjects                        | The planned number of subjects to be entered in a nonclinical study.   | Planned Number of Nonclinical Subjects                                       |
| C92645        | Primary Treatment CAS Registry Number  | Primary Treatment CAS Registry Number             | The Chemical Abstract Service registry number of the investigational product (test article).   | Study Agent CAS Registry Number  |
| C92646        | Primary Treatment Unique Ingredient ID | Primary Treatment Unique Ingredient ID            | The Unique Ingredient Identifier of the investigational product (test article).  | Study Agent Unique Ingredient Identifier                                     |
| C19924        | Principal Investigator                 | Principal Investigator                            | An investigator who is responsible for defined aspects of a study, as specified in the study protocol.   | Principal Investigator   |
| C90439        | Project License Number                 | Project License Number                            | The identifier assigned to a project that conveys a particular authorization. (NCI)  | Project License Number   |
| C90446        | Recovery Period                        | Recovery Period;Recovery Sacrifice Period         | The duration from the end of dosing to the final sacrifice of the subject. (NCI)   | Recovery Sacrifice Period  |
| C38114        | Route of Administration                | Route of Administration                           | The course by which a substance was administered in order to reach the site of action in the body.   | Route of Administration  |
| C96370        | SEND Controlled Terminology Version    | SEND Controlled Terminology Version               | The version of the Standard for the Exchange of Nonclinical Data Controlled Terminology that is being used in the study.   | Standard for the Exchange of Nonclinical Data Controlled Terminology Version |
| C90458        | SEND Implementation Guide Version      | SEND IG Version;SEND Implementation Guide Version | The version of the Standard for the Exchange of Nonclinical Data Implementation Guide that is being used in the study submission.  | Standard for the Exchange of Nonclinical Data Implementation Guide Version   |
| C90455        | Set Label                              | Set Label   | Character(s) assigned to identify a particular set of subjects or ideas. (NCI)   | Set Label  |
| C49696        | Sex of Participants                    | Sex of Participants                               | The specific sex, either male, female, or mixed of the subject group being studied. (NCI)  | Sex of Study Group   |
| C96433        | Species                                | Species   | The common name for an animal used as the test system on a study (e.g., dog, monkey, mouse, rabbit, rat).  | SEND Test System Common Name   |
| C90463        | Sponsor's Monitor                      | Sponsor's Monitor                                 | The individual working for the sponsor responsible for overseeing the activities of the study.   | Study Sponsor Monitor  |
| C90457        | Sponsor's Reference ID                 | Sponsor's Reference ID                            | Character(s) used to identify a specific sponsor.  | Sponsor Reference Identifier   |
| C90456        | Sponsor-Defined Group Code             | Sponsor-Defined Group Code                        | Alpha-numeric character(s) assigned by the sponsor to identify a particular collection of subjects possessing common characteristic(s).  | Sponsor Defined Group Code   |

| C90007 STSPRM |                                  |  |   |                                  |
|---------------|----------------------------------|--|---|----------------------------------|
| NCI Code      | CDISC Submission Value           | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term               |
| C95107        | Sponsoring Organization          | Sponsoring Organization                | An entity that is responsible for the initiation, management, and/or financing of a nonclinical study. (NCI)  | Nonclinical Study Sponsor        |
| C90459        | Start Date/Time of Dose Interval | Start Date/Time of Dose Interval       | The date and time of the beginning of a dosing interval. (NCI)  | Start Date Time Of Dose Interval |
| C96373        | Strain/Substrain                 | Strain/Substrain                       | The vendor-supplied species/strain/substrain designation for the test system under study. It may combine the species, background strain, substrain, and associated genetic modifications as supplied by the vendor (e.g. FISCHER 344, SPRAGUE-DAWLEY IGS, WISTAR Kyoto, BEAGLE, CYNOMOLGUS, RHESUS and CHIMPANZEE).   | SEND Test System Strain          |
| C90460        | Strain/Substrain Details         | Strain/Substrain Details               | Additional clarifying details regarding the test system under study, such as a description of a phenotypic alteration associated with the specific genetic modification captured or collected in the STRAIN/SUBSTRAIN variable.   | Strain Substrain Details         |
| C90461        | Study Category                   | Study Category                         | The classification of the study. (NCI)  | Study Category                   |
| C95082        | Study Design                     | Study Design                           | A plan detailing how a trial or study will be performed in order to represent the phenomenon under examination, to answer the research questions that have been asked, and defining the methods of data analysis. Study design is driven by the research hypothesis being posed, study subject/population/sample available, logistics/resources: technology, support, networking, collaborative support, etc.   | Nonclinical Study Design         |
| C51878        | Study Director                   | Study Director                         | A person who has overall responsibility for the technical conduct of a study, as well as for the interpretation, analysis, documentation and reporting of results, and represents the single point of study control. (FDA)  | Study Chair                      |
| C99156        | Study End Date                   | Study Completion Date;Study End Date   | The date on which the final report is signed by the study director. Also known as Study Completion Date. (FDA)  | Nonclinical Study End Date       |
| C95104        | Study Is Randomized              | Study Is Randomized                    | The process of assigning nonclinical study subjects to treatment or control groups using an element of chance to determine the assignments in order to reduce bias. (NCI)   | Nonclinical Randomization        |
| C95105        | Study Length                     | Study Length                           | The anticipated length of a nonclinical study measured as a unit of time. (NCI)   | Nonclinical Study Length         |
| C99157        | Study Start Date                 | Study Initiation Date;Study Start Date | The date on which the protocol is signed by the study director. Also known as Study Initiation Date. (FDA)  | Nonclinical Study Start Date     |
| C95108        | Study Title                      | Study Title                            | The name of a nonclinical study.  | Nonclinical Study Title          |
| C92644        | Study Type                       | Study Type                             | The type of nonclinical study performed e.g. Single Dose, Repeat Dose. (NCI)  | Nonclinical Study Type           |
| C90467        | Test Facility Country            | Test Facility Country                  | The country of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA)         | Test Facility Country            |
| C90468        | Test Facility Location           | Test Facility Location                 | The geographic area of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA) | Test Facility Location           |
| C90469        | Test Facility Name               | Test Facility Name                     | The name of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA)            | Test Facility Name               |



| C90007 STSPRM |                            |  |   |                            |
|---------------|----------------------------|--|---|----------------------------|
| NCI Code      | CDISC Submission Value     | CDISC Synonym                                    | CDISC Definition  | NCI Preferred Term         |
| C90470        | Test Site Country          | Test Site Country                                | The country in which a phase(s) of a study is conducted. (OECD)   | Test Site Country          |
| C90471        | Test Site Location         | Test Site Location                               | The geographic location(s) at which a phase(s) of a study is conducted. (OECD)  | Test Site Location         |
| C90472        | Test Site Name             | Test Site Name                                   | The name of the location(s) at which a phase(s) of a study is conducted. (OECD)   | Test Site Name             |
| C90473        | Test Subject Supplier      | Test Subject Supplier;Test Subject Supplier Name | The name of the organization that supplied the test subjects. (NCI)   | Test Subject Supplier      |
| C90474        | Test Subject Supplier Site | Test Subject Supplier Site                       | The geographic location of the organization that supplied the test subjects.  | Test Subject Supplier Site |
| C90399        | Time to Interim Sacrifice  | Time to Interim Sacrifice                        | The planned duration from the start of dosing to the interim sacrifice of the subject. (NCI)  | Interim Sacrifice Period   |
| C90466        | Time to Terminal Sacrifice | Time to Terminal Sacrifice                       | The duration from the start of dosing to the final sacrifice of the subject. (NCI)  | Terminal Sacrifice Period  |
| C90477        | Toxicokinetic Description  | Toxicokinetic Description                        | Designation that a set will have samples drawn for toxicokinetic analysis.  | Toxicokinetic Description  |
| C927          | Treatment Vehicle          | Treatment Vehicle                                | A carrier or inert medium used as a solvent (or diluent) in which a medicinally active agent is formulated and or administered. (NCI) | Drug Vehicle               |
| C90486        | Water Delivery             | Water Delivery                                   | The mechanism by which water is made available. (NCI)   | Water Delivery             |

## STSPRMCD (SEND Trial Summary Parameter Test Code)

NCI Code: C90009, Codelist extensible: Yes

| C90009 STSPRMCD |                        |  |   |   |
|-----------------|------------------------|--|---|---|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term                      |
| C25150          | AGE                    | Age                                    | How long something has existed; elapsed time since birth. (NCI)   | Age                                     |
| C90352          | AGETXT                 | Age Text                               | A textual representation of a chronological age. (NCI)  | Age Text                                |
| C50400          | AGEU                   | Age Unit                               | Those units of time that are routinely used to express the age of a person. (NCI)   | Age Unit                                |
| C90354          | ALTSTDID               | Alternate Study ID                     | A backup sequence of characters used to identify a study. (NCI)   | Alternate Study Identifier              |
| C83216          | ARMCD                  | Arm Code                               | A character or string that represents a planned arm of a trial or study.  | Planned Arm Code                        |
| C90359          | ASOCSTDY               | Associated Study                       | An indication that one study is related to another. (NCI)   | Associated Study                        |
| C90365          | BEDCHNG                | Bedding Change                         | A replacement of the existing materials that make up the sleeping area of a subject. (NCI)  | Bedding Change                          |
| C90366          | BEDDING                | Bedding                                | That which comprises the place where a subject sleeps. (NCI)  | Bedding Material                        |
| C90364          | DIET                   | Basal Diet                             | The fundamental nutritional components that constitute an organism's daily intake of foodstuffs. (NCI)  | Basal Diet                              |
| C90378          | DOSDUR                 | Dosing Duration                        | The interval of time over which a course of doses occurs. (NCI)   | Duration of Dosing                      |
| C90379          | DOSENDTC               | End Date/Time of Dose Interval         | The date and time at which the dosing interval concludes. (NCI)   | End Date Time Of Dose Interval          |
| C90459          | DOSSTDTC               | Start Date/Time of Dose Interval       | The date and time of the beginning of a dosing interval. (NCI)  | Start Date Time Of Dose Interval        |
| C90380          | ENVTEMP                | Environmental Temperature              | The temperature of the surroundings. (NCI)  | Environmental Temperature               |
| C90381          | ENVTEMPU               | Environmental Temperature Units        | The units of measure that are used to express the temperature of the surroundings. (NCI)  | Environmental Temperature Units         |
| C90382          | EXPENDTC               | Experimental End Date                  | Experimental completion date means the last date on which data are collected from the study. (OECD)   | Experiment End Date                     |
| C90487          | EXPSTDTC               | Experimental Start Date                | Experimental starting date means the date on which the first study specific data are collected. (OECD)  | Experiment Start Date                   |
| C90383          | FEEDREG                | Feeding Regimen                        | A plan that specifies a diet, amount and schedule of nutritional intake.  | Feeding Regimen                         |
| C120944         | GLPFL                  | GLP Flag;Good Laboratory Practice Flag | Indicates whether a study is conducted according to Good Laboratory Practices (GLP).  | Good Laboratory Practice Indicator Flag |
| C90389          | GLPTYP                 | Good Laboratory Practice Type          | A quality system concerned with the organizational process and the conditions under which non-clinical health and environmental safety studies are planned, performed, monitored, recorded, archived and reported. (OECD) | Good Laboratory Practice Type           |
| C90391          | GRPLBL                 | Group Label                            | Alpha-numeric character(s) assigned to identify a particular collection of subjects possessing common characteristic(s).  | Group Label                             |
| C90394          | HOUSEGRP               | Housing Group                          | A classification of a group of animals based upon their shared living space.  | Housing Group                           |
| C90397          | HOUSETYP               | Housing Type                           | The classification of a living space.   | Housing Type                            |
| C90395          | HUMIDT                 | Housing Humidity                       | The amount of water vapor in the air of a living space.   | Housing Humidity                        |
| C90396          | HUMIDTU                | Housing Humidity Units                 | The units of measure that are used to express the humidity of a living space.   | Housing Humidity Units                  |
| C90398          | IACUC                  | IACUC Number                           | The animal welfare assurance number issued by the NIH Office of Laboratory Animal Welfare (OLAW) after research protocols and evaluations are reviewed by the Institutional Animal Care and Use Committee (IACUC). (NCI)  | IACUC Number                            |
| C90422          | IDMETH                 | Method of Identification               | The mechanism by which the test subject is identified.  | Method Of Identification                |

| C90009 STSPRMCD |                        |   |   |  |
|-----------------|------------------------|---|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                                     | CDISC Definition  | NCI Preferred Term   |
| C90399          | INTSAC                 | Time to Interim Sacrifice                         | The planned duration from the start of dosing to the interim sacrifice of the subject. (NCI)  | Interim Sacrifice Period   |
| C90419          | LIGHT                  | Light Cycle                                       | The period of light that a subject is exposed to in a period of time, usually expressed as the amount of time in a 24 hour cycle.   | Light Cycle  |
| C90423          | MTHTRM                 | Method of Termination                             | The mechanism or means by which a life is ended.  | Method of Termination of Life  |
| C98768          | PCLASS                 | Pharmacologic Class                               | The pharmacological class of the investigational product.   | Pharmacological Class of Investigational Therapy                             |
| C19924          | PINV                   | Principal Investigator                            | An investigator who is responsible for defined aspects of a study, as specified in the study protocol.  | Principal Investigator   |
| C90437          | PLANFSUB               | Planned Number of Female Subjects                 | The intended quantity of female subjects.   | Planned Number of Female Subjects  |
| C90438          | PLANMSUB               | Planned Number of Male Subjects                   | The intended quantity of male subjects.   | Planned Number of Male Subjects  |
| C90439          | PPL                    | Project License Number                            | The identifier assigned to a project that conveys a particular authorization. (NCI)   | Project License Number   |
| C90446          | RECSAC                 | Recovery Period;Recovery Sacrifice Period         | The duration from the end of dosing to the final sacrifice of the subject. (NCI)  | Recovery Sacrifice Period  |
| C38114          | ROUTE                  | Route of Administration                           | The course by which a substance was administered in order to reach the site of action in the body.  | Route of Administration  |
| C90460          | SBSTRAIN               | Strain/Substrain Details                          | Additional clarifying details regarding the test system under study, such as a description of a phenotypic alteration associated with the specific genetic modification captured or collected in the STRAIN/SUBSTRAIN variable.   | Strain Substrain Details   |
| C95082          | SDESIGN                | Study Design                                      | A plan detailing how a trial or study will be performed in order to represent the phenomenon under examination, to answer the research questions that have been asked, and defining the methods of data analysis. Study design is driven by the research hypothesis being posed, study subject/population/sample available, logistics/resources: technology, support, networking, collaborative support, etc. | Nonclinical Study Design   |
| C90455          | SETLBL                 | Set Label   | Character(s) assigned to identify a particular set of subjects or ideas. (NCI)  | Set Label  |
| C49696          | SEXPOP                 | Sex of Participants                               | The specific sex, either male, female, or mixed of the subject group being studied. (NCI)   | Sex of Study Group   |
| C95105          | SLENGTH                | Study Length                                      | The anticipated length of a nonclinical study measured as a unit of time. (NCI)   | Nonclinical Study Length   |
| C96370          | SNDCTVER               | SEND Controlled Terminology Version               | The version of the Standard for the Exchange of Nonclinical Data Controlled Terminology that is being used in the study.  | Standard for the Exchange of Nonclinical Data Controlled Terminology Version |
| C90458          | SNDIGVER               | SEND IG Version;SEND Implementation Guide Version | The version of the Standard for the Exchange of Nonclinical Data Implementation Guide that is being used in the study submission.   | Standard for the Exchange of Nonclinical Data Implementation Guide Version   |
| C96433          | SPECIES                | Species   | The common name for an animal used as the test system on a study (e.g., dog, monkey, mouse, rabbit, rat).   | SEND Test System Common Name   |
| C90456          | SPGRPCD                | Sponsor-Defined Group Code                        | Alpha-numeric character(s) assigned by the sponsor to identify a particular collection of subjects possessing common characteristic(s).   | Sponsor Defined Group Code   |
| C95106          | SPLANSUB               | Planned Number of Subjects                        | The planned number of subjects to be entered in a nonclinical study.  | Planned Number of Nonclinical Subjects                                       |
| C90474          | SPLRLOC                | Test Subject Supplier Site                        | The geographic location of the organization that supplied the test subjects.  | Test Subject Supplier Site   |
| C90473          | SPLRNAM                | Test Subject Supplier;Test Subject Supplier Name  | The name of the organization that supplied the test subjects. (NCI)   | Test Subject Supplier  |
| C90457          | SPREFID                | Sponsor's Reference ID                            | Character(s) used to identify a specific sponsor.   | Sponsor Reference Identifier   |

| C90009 STSPRMCD |                        |  |   |  |
|-----------------|------------------------|--|---|--|
| NCI Code        | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term                       |
| C95104          | SRANDOM                | Study Is Randomized                    | The process of assigning nonclinical study subjects to treatment or control groups using an element of chance to determine the assignments in order to reduce bias. (NCI)   | Nonclinical Randomization                |
| C95107          | SSPONSOR               | Sponsoring Organization                | An entity that is responsible for the initiation, management, and/or financing of a nonclinical study. (NCI)  | Nonclinical Study Sponsor                |
| C92644          | SSTYP                  | Study Type                             | The type of nonclinical study performed e.g. Single Dose, Repeat Dose. (NCI)  | Nonclinical Study Type                   |
| C90461          | STCAT                  | Study Category                         | The classification of the study. (NCI)  | Study Category                           |
| C51878          | STDIR                  | Study Director                         | A person who has overall responsibility for the technical conduct of a study, as well as for the interpretation, analysis, documentation and reporting of results, and represents the single point of study control. (FDA)  | Study Chair                              |
| C99156          | STENDTC                | Study Completion Date;Study End Date   | The date on which the final report is signed by the study director. Also known as Study Completion Date. (FDA)  | Nonclinical Study End Date               |
| C95108          | STITLE                 | Study Title                            | The name of a nonclinical study.  | Nonclinical Study Title                  |
| C90463          | STMON                  | Sponsor's Monitor                      | The individual working for the sponsor responsible for overseeing the activities of the study.  | Study Sponsor Monitor                    |
| C96373          | STRAIN                 | Strain/Substrain                       | The vendor-supplied species/strain/substrain designation for the test system under study. It may combine the species, background strain, substrain, and associated genetic modifications as supplied by the vendor (e.g. FISCHER 344, SPRAGUE-DAWLEY IGS, WISTAR Kyoto, BEAGLE, CYNOMOLGUS, RHESUS and CHIMPANZEE).   | SEND Test System Strain                  |
| C99157          | STSTDTC                | Study Initiation Date;Study Start Date | The date on which the protocol is signed by the study director. Also known as Study Initiation Date. (FDA)  | Nonclinical Study Start Date             |
| C49647          | TCNTRL                 | Control Type                           | Comparator against which the study treatment is evaluated (e.g., concurrent (placebo, no treatment, dose-response, active), external (historical, published literature).  | Control Type                             |
| C90467          | TFCNTRY                | Test Facility Country                  | The country of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA) | Test Facility Country                    |
| C90477          | TKDESC                 | Toxicokinetic Description              | Designation that a set will have samples drawn for toxicokinetic analysis.  | Toxicokinetic Description                |
| C90466          | TRMSAC                 | Time to Terminal Sacrifice             | The duration from the start of dosing to the final sacrifice of the subject. (NCI)  | Terminal Sacrifice Period                |
| C41161          | TRT                    | Investigational Therapy or Treatment   | The investigational product under study.  | Protocol Agent                           |
| C92645          | TRTCAS                 | Primary Treatment CAS Registry Number  | The Chemical Abstract Service registry number of the investigational product (test article).  | Study Agent CAS Registry Number          |
| C25488          | TRTDOS                 | Dose Level;Dose per Administration     | The amount of drug administered to a patient or test subject at one time or the total quantity administered. [AMA Manual of Style] (CDISC Glossary)   | Dose                                     |
| C73558          | TRTDOSU                | Dose Units                             | The unit of measure for the dosage form.  | Dosage Form Unit                         |
| C92646          | TRTUNII                | Primary Treatment Unique Ingredient ID | The Unique Ingredient Identifier of the investigational product (test article).   | Study Agent Unique Ingredient Identifier |
| C927            | TRTV                   | Treatment Vehicle                      | A carrier or inert medium used as a solvent (or diluent) in which a medicinally active agent is formulated and or administered. (NCI)   | Drug Vehicle                             |
| C90470          | TSCNTRY                | Test Site Country                      | The country in which a phase(s) of a study is conducted. (OECD)   | Test Site Country                        |
| C90471          | TSLOC                  | Test Site Location                     | The geographic location(s) at which a phase(s) of a study is conducted. (OECD)  | Test Site Location                       |

| C90009 STSPRMCD |                        |                        |   |                        |
|-----------------|------------------------|------------------------|---|------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym          | CDISC Definition  | NCI Preferred Term     |
| C90472          | TSNAM                  | Test Site Name         | The name of the location(s) at which a phase(s) of a study is conducted. (OECD)   | Test Site Name         |
| C90468          | TSTFLOC                | Test Facility Location | The geographic area of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA) | Test Facility Location |
| C90469          | TSTFNAM                | Test Facility Name     | The name of the place in which a nonclinical laboratory study takes place, i.e., actually uses the test article in a test system. Testing facility includes any establishment required to register under section 510 of the act that conducts nonclinical laboratory studies and any consulting laboratory described in section 704 of the act that conducts such studies. Testing facility encompasses only those operational units that are being or have been used to conduct nonclinical laboratory studies. (FDA)            | Test Facility Name     |
| C90377          | WATER                  | Drinking Water         | The type of drinking water that is planned to be provided to the subjects in a set (e.g., tap water, acidified, reverse osmosis, etc.).   | Drinking Water         |
| C90486          | WTRDLVRY               | Water Delivery         | The mechanism by which water is made available. (NCI)   | Water Delivery         |

## TFTEST (Tumor Findings Test Name)

NCI Code: C90005, Codelist extensible: Yes

| C90005 TFTEST |                        |                   |   |                    |
|---------------|------------------------|-------------------|---|--------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym     | CDISC Definition  | NCI Preferred Term |
| C90479        | Tumor Examination      | Tumor Examination | An assessment or evaluation of a neoplastic mass. (NCI) | Tumor Examination  |

## TFTESTCD (Tumor Findings Test Code)

NCI Code: C90006, Codelist extensible: Yes

| C90006 TFTESTCD |                        |                   |   |                    |
|-----------------|------------------------|-------------------|---|--------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym     | CDISC Definition  | NCI Preferred Term |
| C90479          | TUMEX                  | Tumor Examination | An assessment or evaluation of a neoplastic mass. (NCI) | Tumor Examination  |

## UNIT (Unit)

NCI Code: C71620, Codelist extensible: Yes

| C71620 UNIT |                        |                                |   |                             |
|-------------|------------------------|--------------------------------|---|-----------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                  | CDISC Definition  | NCI Preferred Term          |
| C25613      | %                      | Percentage                     | A fraction or ratio with 100 understood as the denominator. (NCI)   | Percentage                  |
| C117963     | % INHIBITION           | Percent Inhibition             | The rate of measured normal activity minus inhibited activity, divided by the rate of normal activity of a given object. It is expressed as a percentage.   | Percent Inhibition          |
| C48571      | %(v/v)                 | Percent Volume per Volume;vol% | A percent ratio of volume to volume, defined by the equation: [volume of solute (in ml)/ volume of solution (in ml)](100), typically used for admixtures of solutions.(NCI)   | Percent Volume per Volume   |
| C48527      | %(w/v)                 | Percent Weight per Volume      | A percent ratio of weight to volume, defined by the equation: [weight of solute (in gm)/volume of solution (in dl)](100). Since the numerator and denominator of this ratio have different units, it is not a true percentage. A 1% w/v solution is defined as being 1 gram of solute dissolved in 100 milliliters of solvent.(NCI) | Percent Mass per Volume     |
| C48528      | %(w/w)                 | Percent Weight per Weight      | A percent ratio of weight to weight, defined by the equation: [weight of solute (in gm)/weight of solution (in gm)](100).(NCI)  | Percent Mass per Mass       |
| C114240     | %/min                  | Percent per Minute             | A unit of frequency expressed as the percentage of entities or events per minute.   | Percent per Minute          |
| C102695     | /100 HPFs              | Per 100 High Powered Fields    | A unit of measurement of the number of entities per unit of area equal to one hundred high powered fields.  | Per 100 High Powered Fields |
| C67219      | /100 WBC               | Per 100 White Blood Cells      | Natural number unit of measurement for a portion of a particular type of cell (excluding white blood cell subtypes) per 100 white blood cells.  | Per 100 White Blood Cells   |
| C123634     | /10^3                  |                                | A unit equal to one thousand entities used as a denominator to build a derived unit expressed as a ratio. (NCI)   | Per Thousand                |
| C122197     | /4.0 mL                |                                | A volume unit equal to 4.0 milliliters used as a denominator to build a derived unit expressed as a ratio.  | per 4.0 Milliliters         |
| C122198     | /7.5 mL                |                                | A volume unit equal to 7.5 milliliters used as a denominator to build a derived unit expressed as a ratio.  | per 7.5 Milliliters         |
| C25473      | /day                   | Daily;Per Day                  | A rate of occurrence within a period of time equal to one day.  | Daily                       |
| C105514     | /dL                    | Per Deciliter                  | A volume unit equal to one deciliter used as a denominator to build a derived unit expressed as a ratio. (NCI)  | Per Deciliter               |
| C66966      | /h                     | Per Hour                       | A rate of occurrences within a period of time equal to one hour.  | Per Hour                    |
| C96619      | /HPF                   | Per High Powered Field         | A unit of measure equal to the instances of an entity per visual field of a microscope set to its maximum magnification power.  | Per High Powered Field      |
| C120844     | /kg                    |                                | A unit equal to one kilogram used as a denominator to build a derived unit expressed as a ratio. (NCI)  | Per Kilogram                |



| C71620 UNIT |                        |  |   |  |
|-------------|------------------------|--|---|--|
| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                           |
| C105515     | /L                     | Per Liter  | A volume unit equal to one liter used as a denominator to build a derived unit expressed as a ratio. (NCI)  | Per Liter                                    |
| C96620      | /LPF                   | Per Low Powered Field  | A unit of measure equal to the instances of an entity per visual field of a microscope set to its minimum magnification power.  | Per Low Powered Field                        |
| C66967      | /min                   |  | A rate of occurrences within a period of time equal to one minute.  | Per Minute                                   |
| C122199     | /mm2                   |  | An area unit equal to one millimeter squared used as a denominator to build a derived unit expressed as a ratio.  | per Square Millimeter                        |
| C64498      | /month                 | Every Month;Per Month  | Every month. (NCI)  | Monthly                                      |
| C66965      | /sec                   |  | A rate of occurrences within a period of time equal to one second.  | Per Second                                   |
| C67254      | /uL                    | /mm3;Per Microliter  | A volume unit equal to one microliter used as a denominator to build a derived unit expressed as a ratio. (NCI)   | Per Microliter                               |
| C105516     | /VF                    | Per Visual Field   | A unit of measure equal to the instances of an entity per visual field of a microscope. (NCI)   | Per Visual Field                             |
| C67069      | /wk                    | Every week;Per Week;QS                                       | Every week. (NCI)   | Weekly                                       |
| C127804     | 1/(s*kPa)              |  | A unit of resistance equal to the inverse of one second times one kilopascal.   | One per Second Times Kilopascal              |
| C71185      | 100 IU/mL              | 100 International units/Milliliter                           | A unit of arbitrary substance concentration (biologic activity concentration) defined as the concentration of one hundred international units per one milliliter of system volume.(NCI)           | 100 International Units per Milliliter       |
| C105517     | 10^10/L                | 10^4/mm3;10^4/uL;10^7/mL                                     | A unit of measurement equal to 10 to the tenth power of entities per unit of volume equal to one liter. (NCI)   | Ten Billion Per Liter                        |
| C105488     | 10^11/L                | 10^5/mm3;10^5/uL;10^8/mL                                     | A unit of measurement equal to 10 to the eleventh power of entities per unit of volume equal to one liter.  | Hundred Billion Per Liter                    |
| C105518     | 10^12 IU/L             | TIU/L;Tera International Unit per Liter                      | Unit of arbitrary substance concentration (biologic activity concentration) defined as the concentration of 10^12 international unit per one liter of system volume.(NCI)                         | Tera International Unit Per Liter            |
| C67308      | 10^12/L                | 1/pL;10^6/mm3;10^6/uL;T/L;TI/L;Tera/L                        | A unit of measurement equal to 10 to the twelfth power of the number of entities per unit of volume equal to one liter.   | Million per Microliter                       |
| C68895      | 10^3 CFU               | Thousand CFU;Thousand Colony Forming Units                   | A unit of measurement of viable bacterial numbers equal to 10 to the third power colony forming units.  | Thousand Colony Forming Units                |
| C68899      | 10^3 CFU/g             | Thousand CFU/g;Thousand Colony Forming Units per Gram        | A unit of measurement of viable bacterial organisms in a unit mass of substance of interest defined as the number of 10 to the third power colony forming units in one gram of substance.         | Thousand Colony Forming Units per Gram       |
| C68903      | 10^3 CFU/mL            | Thousand CFU/mL;Thousand Colony Forming Units per Milliliter | A unit of measurement of viable bacterial organisms in a unit volume of substance of interest defined as the number of 10 to the third power colony forming units in one milliliter of substance. | Thousand Colony Forming Units per Milliliter |

| C71620 UNIT |                               |  |   |   |
|-------------|-------------------------------|--|---|---|
| NCI Code    | CDISC Submission Value        | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                          |
| C100897     | 10 <sup>3</sup> copies/mL     |  | The unit of concentration expressed as the number of 10 to the third power copies in unit volume equal to one milliliter. (NCI)   | Thousand Copies per Milliliter              |
| C98788      | 10 <sup>3</sup> DNA copies/mL |  | A unit of measurement equal to 10 to the third power of the number of deoxyribonucleic acid (DNA) copies per unit of volume equal to one milliliter.  | Thousand DNA Copies per Milliliter          |
| C71187      | 10 <sup>3</sup> organisms     | Thousand Organisms   | A unit of measure of quantity of organisms expressed in 10 to the third power of organisms.   | Thousand Organisms                          |
| C71190      | 10 <sup>3</sup> organisms/g   | Thousand Organisms per Gram;Thousand Organisms/g           | A unit of measure of organism content expressed in 10 to the third power of organisms per unit of mass equal to one gram.   | Thousand Organisms per Gram                 |
| C71195      | 10 <sup>3</sup> organisms/mL  | Thousand Organisms per Milliliter;Thousand Organisms/mL    | A unit of measure of organism concentration expressed in 10 to the third power of organisms per unit of volume equal to one milliliter.   | Thousand Organisms per Milliliter           |
| C98790      | 10 <sup>3</sup> RNA copies/mL |  | A unit of measurement equal to 10 to the third power of the number of ribonucleic acid (RNA) copies per unit of volume equal to one milliliter.   | Thousand RNA Copies per Milliliter          |
| C98789      | 10 <sup>3</sup> /hpf          |  | A unit of measurement equal to 10 to the third power of the number of entities per unit of area equal to one high powered field.  | Thousand per High Powered Field             |
| C105519     | 10 <sup>3</sup> /L            | 1/mL   | A unit of measurement equal to 10 to the third power of entities per unit of volume equal to one liter.   | Thousand Per Liter                          |
| C98787      | 10 <sup>4</sup> /hpf          |  | A unit of measurement equal to 10 to the fourth power of the number of entities per unit of area equal to one high powered field.   | Ten Thousand per High Powered Field         |
| C73771      | 10 <sup>4</sup> /L            |  | A unit of measurement equal to 10 to the fourth power of entities per unit of volume equal to one liter.  | Thousand per Deciliter                      |
| C98743      | 10 <sup>5</sup> /hpf          |  | A unit of measurement equal to 10 to the fifth power of the number of entities per unit of area equal to one high powered field.  | Hundred Thousand per High Powered Field     |
| C105490     | 10 <sup>5</sup> /L            | 10 <sup>2</sup> /mL  | A unit of measurement equal to 10 to the fifth power of entities per unit of volume equal to one liter.   | Hundred Thousand Per Liter                  |
| C68896      | 10 <sup>6</sup> CFU           | Million CFU;Million Colony Forming Units                   | A unit of measurement of viable bacterial numbers equal to 10 to the sixth power colony forming units.  | Million Colony Forming Units                |
| C68900      | 10 <sup>6</sup> CFU/g         | Million CFU/g;Million Colony Forming Units per Gram        | A unit of measurement of viable bacterial organisms in a unit mass of substance of interest defined as the number of 10 to the sixth power colony forming units in one gram of substance.         | Million Colony Forming Units per Gram       |
| C68904      | 10 <sup>6</sup> CFU/mL        | Million CFU/mL;Million Colony Forming Units per Milliliter | A unit of measurement of viable bacterial organisms in a unit volume of substance of interest defined as the number of 10 to the sixth power colony forming units in one milliliter of substance. | Million Colony Forming Units per Milliliter |
| C100898     | 10 <sup>6</sup> copies/mL     |  | The unit of concentration expressed as the number of 10 to the sixth power copies in unit volume equal to one milliliter. (NCI)   | Million Copies per Milliliter               |
| C98756      | 10 <sup>6</sup> DNA copies/mL |  | A unit of measurement equal to 10 to the sixth power of the number of deoxyribonucleic acid (DNA) copies per unit of volume equal to one milliliter.  | Million DNA Copies per Milliliter           |

| C71620 UNIT |                        |  |   |   |
|-------------|------------------------|--|---|---|
| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                          |
| C67335      | 10^6 IU                | Million IU;Million International Units                     | A unit of biological activity equal to 10 to the sixth power international units.   | Million International Units                 |
| C98757      | 10^6 IU/mL             |  | A unit of measurement equal to 10 to the sixth power of the number of international units of an entity per unit of volume equal to one milliliter.  | Million International Units per Milliliter  |
| C71188      | 10^6 organisms         | Million Organisms  | A unit of measure of quantity of organisms expressed in 10 to the sixth power of organisms.   | Million Organisms                           |
| C71191      | 10^6 organisms/g       | Million Organisms per Gram;Million Organisms/g             | A unit of measure of organism content expressed in 10 to the sixth power of organisms per unit of mass equal to one gram.   | Million Organisms per Gram                  |
| C71193      | 10^6 organisms/mg      | Million Organisms per Milligram;Million Organisms/mg       | A unit of measure of organism content expressed in 10 to the sixth power of organisms per unit of mass equal to one milligram.  | Million Organisms per Milligram             |
| C71196      | 10^6 organisms/mL      | Million Organisms per Milliliter;Million Organisms/mL      | A unit of measure of organism concentration expressed in 10 to the sixth power of organisms per unit of volume equal to one milliliter.   | Million Organisms per Milliliter            |
| C98760      | 10^6 RNA copies/mL     |  | A unit of measurement equal to 10 to the sixth power of the number of ribonucleic acid (RNA) copies per unit of volume equal to one milliliter.   | Million RNA Copies per Milliliter           |
| C98758      | 10^6/g                 |  | A unit of measurement equal to 10 to the sixth power of the number of entities per unit of mass equal to one gram.  | Million per Gram                            |
| C98759      | 10^6/hpf               |  | A unit of measurement equal to 10 to the sixth power of the number of entities per unit of area equal to one high powered field.  | Million per High Powered Field              |
| C67452      | 10^6/L                 | 1/mm3;1/uL;10^3/mL;M/L;Mega/L                              | A unit of measurement equal to 10 to the sixth power of the number of entities per unit of volume equal to one liter.   | Thousand per Milliliter                     |
| C98786      | 10^7/L                 | 10^6/dL  | A unit of measurement equal to 10 to the seventh power of the number of entities per unit of volume equal to one liter.   | Ten Million per Liter                       |
| C105489     | 10^8/L                 | 10^2/mm3;10^2/uL;10^5/mL                                   | A unit of measurement equal to 10 to the eighth power of entities per unit of volume equal to one liter.  | Hundred Million Per Liter                   |
| C68897      | 10^9 CFU               | Billion CFU;Billion Colony Forming Units                   | A unit of measurement of viable bacterial numbers equal to 10 to the ninth power colony forming units.  | Billion Colony Forming Units                |
| C68901      | 10^9 CFU/g             | Billion CFU/g;Billion Colony Forming Units per Gram        | A unit of measurement of viable bacterial organisms in a unit mass of substance of interest defined as the number of 10 to the ninth power colony forming units in one gram of substance.         | Billion Colony Forming Units per Gram       |
| C68905      | 10^9 CFU/mL            | Billion CFU/mL;Billion Colony Forming Units per Milliliter | A unit of measurement of viable bacterial organisms in a unit volume of substance of interest defined as the number of 10 to the ninth power colony forming units in one milliliter of substance. | Billion Colony Forming Units per Milliliter |
| C71189      | 10^9 organisms         | Billion Organisms  | A unit of measure of quantity of organisms expressed in 10 to the ninth power of organisms.   | Billion Organisms                           |
| C71192      | 10^9 organisms/g       | Billion Organisms per Gram;Billion Organisms/g             | A unit of measure of organism content expressed in 10 to the ninth power of organisms per unit of mass equal to one gram.   | Billion Organisms per Gram                  |

| C71620 UNIT |                        |   |  |                                  |
|-------------|------------------------|---|--|----------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term               |
| C71194      | 10^9 organisms/mg      | Billion Organisms per Milligram;Billion Organisms/mg  | A unit of measure of organism content expressed in 10 to the ninth power of organisms per unit of mass equal to one milligram.   | Billion Organisms per Milligram  |
| C71197      | 10^9 organisms/mL      | Billion Organisms per Milliliter;Billion Organisms/mL | A unit of measure of organism concentration expressed in 10 to the ninth power of organisms per unit of volume equal to one milliliter.  | Billion Organisms per Milliliter |
| C122200     | 10^9/g                 | 10^12/kg;10^3/ug;10^6/mg                              | A unit of measurement equal to 10 to the ninth power of the number of entities per unit of mass equal to one gram.   | Billion per Gram                 |
| C67255      | 10^9/L                 | 1/nL;10^3/mm3;10^3/uL;10^6/mL;G/L;GI/L;Giga per Liter | A unit of measurement equal to 10 to the ninth power of the number of entities per unit of volume equal to one liter.  | Billion per Liter                |
| C73686      | Absorbance U           | Absorbance Unit                                       | A unit of optical density expressed as a logarithm of absorbance of light transmitted through a partially absorbing substance.   | Absorbance Unit                  |
| C73687      | Absorbance U/min       | Absorbance Unit per Minute                            | A unit of a speed of optical density change expressed as a logarithm of absorbance of light transmitted through a partially absorbing substance per minute. (NCI)  | Absorbance Unit per Minute       |
| C126078     | Absorbance U/mL        |   | A unit of optical density expressed as a logarithm of absorbance of light transmitted through a partially absorbing substance per unit of volume equal to one milliliter.  | Absorbance Unit per Milliliter   |
| C77534      | AFU                    | Arbitrary Fluorescence Unit                           | Arbitrary unit(s) of fluorescent luminescence. (NCI)   | Arbitrary Fluorescence Units     |
| C64553      | ag                     | Attogram  | A unit of mass equal to one quintillionth of a gram (10E-18 gram).(NCI)  | Attogram                         |
| C70500      | AgU/mL                 | Antigen Unit per Milliliter                           | A measure of an antigen potency defined as a number of antigen units per one milliliter of product.(NCI)   | Antigen Unit per Milliliter      |
| C68855      | amol                   | Attomole  | A unit of amount of substance equal to one quintillionth of a mole (10E-18 mole).(NCI)   | Attomole                         |
| C42536      | amp                    | Ampere  | A unit of electric current, named after the French physicist Andre Ampere. It is that constant current which, if maintained in two straight parallel conductors of infinite length and zero diameter separated by one meter in a vacuum, would produce between these conductors a force equal to 2(10E7) Newton per meter of length. This is dependent upon the definitions of the meter, kilogram, and second. One Ampere represents 6.24 x 10(E18) unit electric charge carriers, such as electrons, passing a specified fixed point in one second.(NCI) | Ampere                           |
| C48473      | AMPULE                 | Ampule Dosing Unit                                    | A dosing measurement based on the ampule unit.(NCI)  | Ampule Dosing Unit               |
| C64559      | amu                    | Atomic Mass Unit                                      | A small unit of mass used to express atomic and molecular masses. (NCI)  | Atomic Mass Unit                 |
| C122201     | Anson U                |   | A unit of enzyme concentration which is defined as the amount of enzyme that can digest urea-denatured hemoglobin at the same initial rate as one milliequivalent of tyrosine at standard conditions.  | Anson Unit                       |

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| NCI Code    | CDISC Submission Value | CDISC Synonym                                      | CDISC Definition  | NCI Preferred Term                                 |
| C70497      | anti-Xa IU             | Anti-Xa Activity International Unit                | A unit of unfractionated or low molecular weight heparin anticoagulation potency determined as the amount that neutralizes one unit of coagulation factor Xa preparation defined as an international biological standard by WHO (World Health Organization) First International Low Molecular Weight Heparin Reference Standard.(NCI) | Anti-Xa Activity International Unit                |
| C70498      | anti-Xa IU/mL          | Anti-Xa Activity International Unit per Milliliter | A specific anticoagulation activity of unfractionated or low molecular weight heparin on factor Xa, expressed as a number of international anti-Xa heparin units per one milliliter of plasma.(NCI)   | Anti-Xa Activity International Unit per Milliliter |
| C111129     | Antibody Unit          |  | A unit of antibody concentration measured by comparison against a known concentration of antibodies in a standard reference specimen.   | Antibody Unit                                      |
| C122202     | APL U                  | Immunoglobulin A Phospholipid Units;[APL'U]        | A unit for semiquantitative measurement of IgA autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard.   | IgA Phospholipid Unit                              |
| C117965     | APL U/mL               | Immunoglobulin A Phospholipid Units per Milliliter | A unit for semiquantitative measurement of IgA autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard, per unit of volume equal to one milliliter.   | Immunoglobulin A Phospholipid Unit per Milliliter  |
| C25397      | APPLICATION            | Application Dosing Unit                            | A dosing measurement based on the amount of substance applied.  | Application Unit                                   |
| C54711      | atm                    | Atmosphere   | A unit of pressure, equal to a barometer reading of 760 mm Hg. 1 atmosphere is 101325 Pascals and 1.01325 bar. This unit of pressure is roughly equal to the average atmospheric pressure at sea level on the earth.(NCI)   | Atmosphere   |
| C70504      | AU/mL                  | Allergy Unit per Milliliter                        | Unit of measure of potency of allergenic product expressed as a number of allergy units per one milliliter of formulation.(NCI)   | Allergy Unit per Milliliter                        |
| C48474      | BAG                    | Bag Dosing Unit                                    | A dosing measurement based on the bag unit.(NCI)  | Bag Dosing Unit                                    |
| C48475      | BAR                    | Bar Dosing Unit                                    | A dosing measurement based on the bar unit.(NCI)  | Bar Dosing Unit                                    |
| C70505      | BAU                    | Bioequivalent Allergy Unit                         | A unit used for standardization of an allergenic product based on evaluation of product potency against reference standard in combined in vivo (skin test) and in vitro (IgE-based ELISA) testing.(NCI)   | Bioequivalent Allergy Unit                         |
| C116235     | BAU/mL                 | Bioequivalent Allergy Unit per Milliliter          | Unit of measure of potency of allergenic product expressed as a number of bioequivalent allergy units per one milliliter of formulation.  | Bioequivalent Allergy Unit per Milliliter          |
| C116231     | BE/mL                  | Biological Unit per Milliliter                     | Unit of measure of potency of allergenic product expressed as a number of biological units per one milliliter of formulation.   | Biological Allergy Unit per Milliliter             |
| C49673      | beats/min              | Beats per Minute                                   | The number of heartbeats measured per minute time. (NCI)  | Beats per Minute                                   |

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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term       |
| C71200      | bel                    | Bel  | A logarithmic ratio unit (base-10 logarithms) used to express relative magnitude of a physical quantity (usually power or intensity) in comparison with a specified or implied reference level. Particularly, Bel is used as a unit of relative sound intensity. In the latter context it is equal to ten decibels or to approximately 1.151293 nepers.(NCI) | Bel                      |
| C111139     | BISCUIT                | Biscuit Dosing Unit  | A measurement based on the biscuit unit.   | Biscuit Dosing Unit      |
| C111140     | BLOCKS                 |  | A unit of measure to quantify the number of rectangular areas in a city surrounded by streets.   | Block Unit of Distance   |
| C48476      | BOLUS                  | Bolus Dosing Unit  | A dosing measurement based on the bolus unit.(NCI)   | Bolus Dosing Unit        |
| C48477      | BOTTLE                 | Bottle Dosing Unit   | A dosing measurement based on the bottle unit.(NCI)  | Bottle Dosing Unit       |
| C48478      | BOX                    | Box Dosing Unit  | A dosing measurement based on the box unit.(NCI)   | Box Dosing Unit          |
| C42562      | Bq                     | Becquerel  | A unit of activity of a radionuclide, equal to one nuclear disintegration or other nuclear transition from a particular energy state occurring in an amount of a radionuclide during one second-long time interval.(NCI)   | Becquerel                |
| C70522      | Bq/g                   | Becquerel per Gram   | A unit of specific radioactivity (massic activity) equal to activity of one Becquerel of the sample with total mass of one gram.(NCI)  | Becquerel per Gram       |
| C70521      | Bq/kg                  | Becquerel per Kilogram   | A unit of specific radioactivity (massic activity) equal to activity of one Becquerel of the sample with total mass of one kilogram.(NCI)  | Becquerel per Kilogram   |
| C71165      | Bq/L                   | Becquerel per Liter  | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Becquerel per unit volume equal to one liter.(NCI)   | Becquerel per Liter      |
| C70524      | Bq/mg                  | Becquerel per Milligram;Kilobecquerel per Gram;kBq/g   | A unit of specific radioactivity (massic activity) equal to activity of one Becquerel of the sample with total mass of one milligram.(NCI)   | Becquerel per Milligram  |
| C71167      | Bq/mL                  | Becquerel per Milliliter;Kilobecquerel per Liter;kBq/L   | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Becquerel per unit volume equal to one milliliter or one kilobecquerel per liter.(NCI)   | Becquerel per Milliliter |
| C70523      | Bq/ug                  | Becquerel per Microgram;Bq/mcg;Kilobecquerel per Milligram;MBq/g;Megabecquerel per Gram;kBq/mg | A unit of specific radioactivity (massic activity) equal to activity of one Becquerel of the sample with total mass of one microgram.(NCI)   | Becquerel per Microgram  |
| C71166      | Bq/uL                  | Becquerel per Microliter;Kilobecquerel per Milliliter;MBq/L;Megabecquerel per Liter;kBq/mL     | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Becquerel per unit volume equal to one millionth of a liter.(NCI)  | Becquerel per Microliter |
| C49674      | breaths/min            | Breaths per Minute   | The number of breaths (inhalation and exhalation) taken per minute time. (NCI)   | Breaths per Minute       |

| C71620 UNIT |                        |   |  |   |
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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C117966     | BU                     | Bethesda Unit   | A unit of measurement for blood coagulation inhibitor activity, expressed in the amount of an inhibitor neutralizing 50% of a coagulant during the incubation period.  | Bethesda Unit   |
| C117967     | BU/mL                  | Bethesda Unit per Milliliter                          | A unit of measurement for blood coagulation inhibitor activity, expressed as a Bethesda Unit per unit of volume equal to one milliliter. (NCI)   | Bethesda Unit per Milliliter                          |
| C42559      | C                      | Degree Celsius  | A unit of temperature of the temperature scale designed so that the freezing point of water is 0 degrees and the boiling point is 100 degrees at standard atmospheric pressure. The current official definition of the Celsius sets 0.01 C to be at the triple point of water and a degree to be 1/273.16 of the difference in temperature between the triple point of water and absolute zero. One degree Celsius represents the same temperature difference as one Kelvin. (NCI) | Degree Celsius  |
| C67193      | cal                    | Calorie   | A measurement of nutritional energy. The quantity of thermal energy required to raise one gram of water one degree Centigrade under standard conditions. 1 calorie equals 4.186 joules. (NCI)  | calorie   |
| C48479      | CAN                    | Can Dosing Unit                                       | A dosing measurement based on the can unit.(NCI)   | Can Dosing Unit                                       |
| C102405     | CAPFUL                 | Capful Dosing Unit                                    | A unit of measure equal to the amount that the cap on the bottle can contain.  | Capful Dosing Unit                                    |
| C64696      | CAPLET                 | Caplet Dosing Unit                                    | A dosing measurement based on the caplet unit.   | Caplet Dosing Unit                                    |
| C48480      | CAPSULE                | Capsule Dosing Unit;cap                               | A dosing measurement based on the capsule unit.(NCI)   | Capsule Dosing Unit                                   |
| C48481      | CARTRIDGE              | Cartridge Dosing Unit                                 | A dosing measurement based on the cartridge unit.(NCI)   | Cartridge Dosing Unit                                 |
| C70535      | CCID 50/dose           | 50 Percent Cell Culture Infective Dose per Dose       | A potency unit equal to the potency at which one dose of preparation contains one 50 percent cell culture infective dose.(NCI)   | 50 Percent Cell Culture Infective Dose per Dose       |
| C120845     | CCID 50/mL             | 50 Percent Cell Culture Infective Dose per Milliliter | A potency unit equal to the potency at which one milliliter of preparation contains one 50 percent cell culture infective dose. (NCI)  | 50 Percent Cell Culture Infective Dose per Milliliter |
| C42538      | cd                     | Candela   | The candela is the basic unit of luminous intensity. It is the luminous intensity in a given direction of a small monochromatic light source at 540 terahertz emitting 1/683 watt per steradian in that direction. This is dependent upon the definitions of the meter, kilogram, and second.(NCI)   | Candela   |
| C122203     | cd*s/m2                |   | A unit of luminous intensity expressed as one candela in one second of light emittance per square meter of area.   | Candela Second per Square Meter                       |
| C122204     | cd/m2                  |   | A unit of luminous intensity expressed as one candela per square meter of area.  | Candela per Square Meter                              |
| C68898      | CFU/g                  | Colony Forming Unit per Gram                          | A unit of measurement of viable bacterial organisms in a unit mass of substance of interest defined as the number of colony forming units in one gram of substance.(NCI)   | Colony Forming Unit per Gram                          |

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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                 |
| C68902      | CFU/mL                 | Colony Forming Unit per Milliliter   | A unit of measurement of viable bacterial organisms in a unit volume of substance of interest defined as the number of colony forming units in one milliliter of substance.(NCI)                             | Colony Forming Unit per Milliliter |
| C64554      | cg                     | Centigram  | A unit of mass equal to one hundredth of a gram.(NCI)  | Centigram                          |
| C64693      | cGy                    | Centigray  | The metric unit of absorbed radiation dose equal to the absorption of one hundredth of joule of radiation energy per kilogram of matter.   | Centigray                          |
| C48466      | Ci                     | Curie  | A unit of radioactivity defined as 3.7 E10 atomic disintegrations or other nuclear transformations per second. One Curie is equal to 37 gigabecquerels.(NCI)   | Curie                              |
| C70528      | Ci/g                   | Curie per Gram;Microcurie per Microgram;Millicurie per Milligram;mCi/mg;uCi/ug | A unit of specific radioactivity (massic activity) equal to activity of one Curie of the sample with total mass of one gram.(NCI)  | Curie per Gram                     |
| C70529      | Ci/kg                  | Curie per Kilogram;Microcurie per Milligram;Millicurie per Gram;mCi/g;uCi/mg   | A unit of specific radioactivity (massic activity) equal to activity of one Curie of the sample with total mass of one kilogram.(NCI)  | Curie per Kilogram                 |
| C71170      | Ci/L                   | Curie per Liter;Microcurie per Microliter;uCi/uL                               | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Curie per unit volume equal to one liter.(NCI)                                   | Curie per Liter                    |
| C70531      | Ci/mg                  | Curie per Milligram;Millicurie per Microgram;mCi/ug                            | A unit of specific radioactivity (massic activity) equal to activity of one Curie of the sample with total mass of one milligram.(NCI)   | Curie per Milligram                |
| C71172      | Ci/mL                  | Curie per Milliliter   | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Curie per unit volume equal to one milliliter.(NCI)                              | Curie per Milliliter               |
| C70530      | Ci/ug                  | Ci/mcg;Curie per Microgram   | A unit of specific radioactivity (massic activity) equal to activity of one Curie of the sample with total mass of one microgram.(NCI)   | Curie per Microgram                |
| C71171      | Ci/uL                  | Ci/mcL;Curie per Microliter  | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one Curie per unit volume equal to one millionth of a liter.(NCI)                    | Curie per Microliter               |
| C116244     | CIGAR                  | Cigar Dosing Unit  | A dosing measurement based on the cigar unit.  | Cigar Dosing Unit                  |
| C116245     | CIGARETTE              | Cigarette Dosing Unit  | A dosing measurement based on the cigarette unit.  | Cigarette Dosing Unit              |
| C69087      | cL                     | Centiliter   | The unit of volume equal to one hundredth of a liter or 10 milliliters or 10 cubic centimeters or 0.6102 cubic inch.   | Centiliter                         |
| C49668      | cm                     | Centimeter   | A basic unit of length equal to one hundredth of a meter or approximately 0.393700787 inch.  | Centimeter                         |
| C91060      | cm H2O                 |  | A unit of pressure defined by a column of water with a height of one centimeter, frequently used to measure central venous pressure, intracranial pressure, and for pressures during mechanical ventilation. | Centimeters of Water               |



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| NCI Code    | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term            |
| C105481     | cm/min                 | Centimeters per Minute             | A unit of both speed (scalar) and velocity (vector), defined as the distance of one centimeter travelled per unit time equal to one minute. (NCI)   | Centimeter Per Minute         |
| C102406     | cm/s                   | cm/sec                             | A unit of both speed (scalar) and velocity (vector), defined as the distance of one centimeter travelled per unit time equal to one second. (NCI)   | Centimeter per Second         |
| C48460      | cm2                    | Square Centimeter                  | A unit of area measurement equal to a square measuring one centimeter on each side. One square centimeter is equal to 10E-4 square meter.(NCI)  | Square Centimeter             |
| C68687      | cmol                   | Centimole                          | A unit of amount of substance equal to one hundredth of a mole (10E-2 mole).(NCI)   | Centimole                     |
| C68886      | cmol/L                 | Millimoles per Deciliter;mmol/dL   | A unit of concentration (molarity unit) equal to one centimole of solute in one liter of solution. (NCI)  | Centimole per Liter           |
| C48483      | COAT                   | Coat Dosing Unit                   | A dosing measurement based on the coat unit.(NCI)   | Coat Dosing Unit              |
| C48484      | CONTAINER              | Container Dosing Unit              | A dosing measurement based on the container unit.(NCI)  | Container Dosing Unit         |
| C100900     | copies/mL              |                                    | A unit of concentration expressed as a number of copies per unit volume equal to one milliliter.  | Copies per Milliliter         |
| C126079     | copies/ug              |                                    | A unit of concentration expressed as a number of copies per unit volume equal to one microgram.   | Copies per Microgram          |
| C116237     | copies/uL              |                                    | A unit of concentration expressed as a number of copies per unit volume equal to one microliter.  | Copies per Microliter         |
| C42550      | Coulomb                | Coulomb                            | A unit of quantity of electricity, equal to the quantity of charge transferred in one second across a conductor in which there is a constant current of one Ampere.(NCI)                                      | Coulomb                       |
| C73688      | cpm                    | Counts per Minute                  | A unit of frequency expressed as the detection rate of ionization events per minute.  | Count per Minute              |
| C105482     | cs                     | 10^-2 sec;Centisecond;csec         | A unit of time equal to one hundredth of a second (10E-2 seconds). (NCI)  | Centisecond                   |
| C54703      | CUP                    | Cup Dosing Unit                    | A dosing measurement based on the cup unit.(NCI)  | Cup Dosing Unit               |
| C114242     | cy/cm                  | Grating Cycles per Centimeter;cpcm | A unit of measure for the number of repeating vertical or horizontal bars per unit of length equal to one centimeter on a visual acuity testing card.   | Grating Cycles per Centimeter |
| C71176      | cycle/min              | Cycle per Minute                   | A unit of frequency equal to the frequency at which one complete execution of a periodically repeated phenomenon, alternation, event, or sequence of events occurs per unit of time equal to one minute.(NCI) | Cycle per Minute              |
| C71480      | cycle/sec              | Cycle per Second                   | A unit of frequency equal to the frequency at which one complete execution of a periodically repeated phenomenon, alternation, event, or sequence of events occurs per unit of time equal to one second.(NCI) | Cycle per Second              |
| C48489      | CYLINDER               | Cylinder Dosing Unit               | A dosing measurement based on the cylinder unit.(NCI)   | Cylinder Dosing Unit          |

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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                            |
| C70501      | DAGU                   | D Antigen Unit                                       | A unit of potency of poliovirus vaccine used for poliomyelitis prevention. The unit is poliovirus type-specific.(NCI)   | D Antigen Unit                                |
| C70502      | DAGU/mL                | D Antigen Unit per Milliliter                        | A unit of potency of poliovirus vaccine expressed as a number of D antigen units per one milliliter of vaccine formulation.(NCI)  | D Antigen Unit per Milliliter                 |
| C105483     | damol/L                | Decamole per Liter;Moles per Deciliter;mol/dL        | A unit of concentration (molarity unit) equal to one decamole of solute in one liter of solution. (NCI)   | Decamole Per Liter                            |
| C25301      | DAYS                   | Day  | The time for Earth to make a complete rotation on its axis; ordinarily divided into twenty-four hours. This also refers to a specific day. (NCI)  | Day   |
| C102407     | dB                     | Decibel  | A unit of measure representing the intensity of an electrical signal or sound which is equal to ten times the logarithm of the ratio of two signals.  | Decibel                                       |
| C68667      | deg                    | Degree Unit of Plane Angle                           | A unit of plane angle measurement equal to the length of the arc cut out by the angle, divided by the circumference of the circle, and multiplied by 360. The symbol for degrees is a small superscript circle. One radian is about 57 degrees and one degree is pi/180 radians.(NCI) | Degree Unit of Plane Angle                    |
| C100899     | DIOPTER                | Diopter  | A unit of measurement of the optical power of a curved mirror or lens represented by the inverse of the focal length in meters.   | Diopter                                       |
| C48490      | DISK                   | Disk Dosing Unit                                     | A dosing measurement based on the disk unit.(NCI)   | Disk Dosing Unit                              |
| C64697      | dL                     | Deciliter  | The unit of volume equal to one tenth of a liter. Accepted for use with the SI. (NCI)   | Deciliter                                     |
| C68685      | dmol                   | Decimole   | A unit of amount of substance equal to one tenth of a mole (10E-1 mole).(NCI)   | Decimole                                      |
| C98719      | DNA copies/mL          | DNA Copies per Milliliter                            | The unit of concentration of deoxyribonucleic acid (DNA) copies expressed as a number of copies in unit volume equal to one milliliter.   | DNA Copies per Milliliter                     |
| C73710      | DPM                    | Disintegrations per Minute                           | A unit of radioactive decay expressed in atoms of radioactive material that decay over a period of time equal to sixty seconds. (NCI)   | Disintegration per Minute                     |
| C120846     | dpm/0.5 mL             | Disintegrations per Minute per 0.5 Milliliter        | A unit of radioactive decay expressed in atoms of radioactive material that decay over a period of time equal to sixty seconds in a volume unit equal to a half milliliter.   | Disintegrations per Minute per 0.5 Milliliter |
| C117968     | dpm/100mg              | Disintegrations per Minute per 100 milligrams;dpm/cg | A unit of radioactive decay expressed in atoms of radioactive material that decay over a period of time equal to sixty seconds in a mass unit equal to one hundred milligrams.  | Disintegration per Minute per 100 milligrams  |
| C117969     | dpm/mg                 | Disintegrations per Minute per Milligram             | A unit of radioactive decay expressed in atoms of radioactive material that decay over a period of time equal to sixty seconds in a mass unit equal to one milligram.   | Disintegration per Minute per Milligram       |
| C117970     | dpm/mL                 | Disintegrations per Minute per Milliliter            | A unit of radioactive decay expressed in atoms of radioactive material that decay over a period of time equal to sixty seconds in a volume unit equal to one milliliter.  | Disintegration per Minute per Milliliter      |

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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C64564      | dram                   | Dram  | A unit of mass equal to 1/16 Avoirdupois ounce or 1/256 Avoirdupois pound. One dram equals approximately 1.7718451953125 grams.(NCI)   | Dram Mass Unit  |
| C48492      | DRUM                   | Drum Dosing Unit                                      | A dosing measurement based on the drum unit.(NCI)  | Drum Dosing Unit                                      |
| C70470      | dyn                    | Dyne  | A unit of force defined as the force that accelerates a mass of one gram at the rate of one centimeter per second squared. One dyne is equal to 10E-5 Newton and 2.248E-6 pounds of force.(NCI)  | Dyne  |
| C122205     | EIA unit               | EIA value;Enzyme Immunoassay Unit                     | A unit for measuring concentration or/and reactivity of a test substance (an antigen or antibody of interest) as defined in the literature reference standard for the particular quantitative enzyme immunoassay method.   | Enzyme Immunoassay Unit                               |
| C70533      | EID 50/dose            | 50 Percent Embryo Infective Dose per Dose             | A potency unit for measuring infectious activity of a biologic product or an infectious agent preparation equal to the potency at which one dose of infectious material contains one 50 percent embryo infective dose.(NCI)  | 50 Percent Embryo Infective Dose per Dose             |
| C120847     | EID 50/mL              | 50 Percent Embryo Infective Dose per Milliliter       | A potency unit equal to the potency at which one milliliter of preparation contains one 50 percent embryo infective dose.  | 50 Percent Embryo Infective Dose per Milliliter       |
| C68875      | ELISA unit             | Enzyme-Linked Immunosorbent Assay Unit                | A unit for measuring concentration or/and reactivity of a test substance (an antigen or antibody of interest) as defined in the literature reference standard for the particular quantitative enzyme-linked immunosorbent assay method. The enzyme-linked immunosorbent assay unit is used to express potency of immunologically active substances and products, e.g. vaccines.(NCI) | Enzyme-Linked Immunosorbent Assay Unit                |
| C68876      | ELISA unit/dose        | Enzyme-Linked Immunosorbent Assay Unit per Dose       | A unit for measuring potency of immunologically active substance in a product determined as reactivity in a quantitative immunoassay for particular antigen or antibody and expressed per quantity of preparation used as a single dose.(NCI)  | Enzyme-Linked Immunosorbent Assay Unit per Dose       |
| C68877      | ELISA unit/mL          | Enzyme-Linked Immunosorbent Assay Unit per Milliliter | A unit for measuring potency of immunologically active substance in a product determined as reactivity in a quantitative immunoassay for particular antigen or antibody and expressed per unit volume equal to one milliliter.(NCI)  | Enzyme-Linked Immunosorbent Assay Unit per Milliliter |
| C64778      | Enzyme U               | Enzyme Unit   | A unit of catalytic activity measurement defined as the quantity of a particular enzyme that catalyzes the transformation of one micromole of the substrate per minute under standard conditions for specified assay system.   | Enzyme Unit   |

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| NCI Code    | CDISC Submission Value | CDISC Synonym                                | CDISC Definition   | NCI Preferred Term         |
| C67273      | eq                     | Equivalent Weight                            | A unit of relative amount of a substance that combines with or displaces 8.0 grams of oxygen or 1.008 gram of hydrogen. The unit is usually expressed in grams and is equal to the amount of substance that gains or loses one mole of electrons in a redox reaction, or to the amount of substances that releases or accepts one mole of hydrogen ions in a neutralization reaction; or to the amount of electrolyte that carries one mole of positive or negative charge. This is a large unit and measurements are more often done in its derivatives, e.g. in milliequivalents.(NCI) | Equivalent Weight          |
| C96599      | EU                     | EU/dL;Ehrlich Units                          | A unit of measure equal to one milligram of urobilinogen per deciliter.  | Ehrlich Unit               |
| C44277      | F                      | Degree Fahrenheit                            | The Fahrenheit temperature scale is named after the German physicist Gabriel Fahrenheit (1686-1736), who proposed it in 1724. In this scale, the freezing point of water is 32 degrees Fahrenheit and the boiling point is 212 degrees, placing the boiling and melting points of water 180 degrees apart. In this scale a degree Fahrenheit is 5/9ths of a Kelvin (or of a degree Celsius), and minus 40 degrees Fahrenheit is equal to minus 40 degrees Celsius. (NCI)   | Degree Fahrenheit          |
| C42552      | Farad                  | Farad  | A unit of capacitance equal to the capacitance of a capacitor having an equal and opposite charge of one coulomb on each plate and a potential difference of one volt between the plates.(NCI)   | Farad                      |
| C96649      | FEU                    | Fibrinogen Equivalent Units                  | A unit of measure for the concentration of fibrin degradation products in a sample, calculated based upon the mass of fibrinogen contained within that sample.   | Fibrinogen Equivalent Unit |
| C64552      | fg                     | Femtogram                                    | A unit of mass equal to one quadrillionth of a gram (10E-15 gram).(NCI)  | Femtogram                  |
| C71321      | FINGERTIP UNIT         | Fingertip Dosing Unit                        | An arbitrary dosing unit used predominantly for semisolid topical formulations such as cream, ointment, paste, etc. One fingertip unit is the amount of a product that is squeezed out from a standard tube with 5-millimeter diameter nozzle along an adult's fingertip. A fingertip length is defined from the tip of the index finger to the first finger crease. A fingertip dosing unit varies with age and size of the body. The average fingertip unit is equal to approximately 0.5 gram for an adult male and 0.4 gram for an adult female.(NCI)                                | Fingertip Dosing Unit      |
| C64780      | fL                     | Cubic Micrometer;Cubic Micron;Femtoliter;um3 | The unit of volume equal 10E-15 liter.   | Femtoliter                 |
| C68854      | fmol                   | Femtomole                                    | A unit of amount of substance equal to one quadrillionth of a mole (10E-15 mole).(NCI)   | Femtomole                  |
| C73711      | fmol/g                 | Femtomole per Gram                           | A molality unit that describes the amount of substance, expressed in femtomole(s) per gram. (NCI)  | Femtomole per Gram         |
| C68887      | fmol/L                 | Femtomole per Liter                          | A unit of concentration (molarity unit) equal to one quadrillionth of a mole (10E-15 mole) of solute in one liter of solution. (NCI)   | Femtomole per Liter        |

| C71620 UNIT |                        |   |   |                                |
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| NCI Code    | CDISC Submission Value | CDISC Synonym                                 | CDISC Definition  | NCI Preferred Term             |
| C122206     | fmol/L/sec             | Femtomoles per Liter per Second               | A concentration unit equal to one femtomole of solute in one liter of solution per unit of time equal to one second. (NCI)  | Femtomole per Liter per Second |
| C48577      | foz_br                 | Fluid Ounce Imperial                          | A traditional unit of liquid volume equal in the British Imperial system to 1/20 pint, or 1.733871 cubic inches or 28.413063 milliliters.   | Fluid Ounce British            |
| C48494      | foz_us                 | Fluid Ounce US                                | A traditional unit of liquid volume equal in the US customary system to 1/16 pint, or 1.804687 cubic inches or 29.573531 milliliters.   | Fluid Ounce US                 |
| C105484     | fraction of 1          |   | A unit for expressing a percentage as a decimal whereby the total value is measured as a fraction of the numeric 1.   | Fraction of 1                  |
| C106524     | Frames/s               | F/s;FPS;Frames per Second;Frames/sec          | A unit of measure equal to the number of visual frames per unit of time equal to one second. (NCI)  | Frames Per Second              |
| C71253      | ft                     | Foot  | A unit of length defined by the U.S. National Bureau of Standards as 30.48 centimeters. It is equal to 0.3048 meter, 12 inches, or to approximately 0.999998 survey foot.(NCI)            | International Foot             |
| C48461      | ft2                    | Square Foot                                   | A unit of area equal to 144 square inches, 929.0304 square centimeters, or 9.290304E-2 square meters.(NCI)  | Square Foot                    |
| C68859      | ft3                    | Standard Cubic Foot                           | A unit used in physical chemistry to express the amount of substance of an ideal gas in one cubic foot at 60 degrees Fahrenheit and pressure of one atmosphere.(NCI)                      | Standard Cubic Foot            |
| C48155      | g                      | Gram  | A metric unit of mass equal to one one thousandth of a kilogram. (NCI)  | Gram                           |
| C73713      | g/animal               | Gram per Animal                               | A unit of measure expressed in gram(s) per animal.  | Gram per Animal                |
| C73714      | g/animal/day           | Gram per Animal per Day                       | A unit of measure expressed in gram(s) per animal per period of time equal to twenty-four hours.  | Gram per Animal per Day        |
| C73715      | g/animal/wk            | Gram per Animal per Week                      | A unit of measure expressed in gram(s) per animal per period of time equal to seven days.   | Gram per Animal per Week       |
| C73716      | g/cage                 | Gram per Cage                                 | A unit of measure expressed in gram(s) per cage.  | Gram per Cage                  |
| C73717      | g/cage/day             | Gram per Cage per Day                         | A unit of measure expressed in gram(s) per cage per period of time equal to twenty-four hours.  | Gram per Cage per Day          |
| C73718      | g/cage/wk              | Gram per Cage per Week                        | A unit of measure expressed in gram(s) per cage per period of time equal to seven days.   | Gram per Cage per Week         |
| C71201      | g/cm2                  | Gram per Square Centimeter                    | A unit of area density defined as a spread rate at which one gram of a substance is spread over the area of one square centimeter. The unit is also used as a dose calculation unit.(NCI) | Gram per Square Centimeter     |
| C67372      | g/day                  | Gram per Day;g/24h;g/d;gram/24 Hours;gram/day | A dose calculation unit expressed in gram(s) per period of time equal to twenty-four hours.   | Gram per 24 Hours              |

| C71620 UNIT |                        |   |  |                               |
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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term            |
| C64783      | g/dL                   | Gram per Deciliter;g%   | A unit of mass concentration defined as the concentration of one gram of a substance per unit volume of the mixture equal to one deciliter (100 milliliters). The concept also refers to the metric unit of mass density (volumic mass) defined as the density of substance which mass equal to one gram occupies the volume one deciliter.(NCI) | Gram per Deciliter            |
| C70453      | g/g                    | mg/mg   | A unit of a mass fraction expressed as a number of grams of substance per gram of mixture.   | Gram per Gram                 |
| C73720      | g/g/day                | Gram per Gram per Day   | A unit of measure expressed in gram(s) per gram per period of time equal to twenty-four hours.   | Gram per Gram per Day         |
| C69104      | g/kg                   | Gram per Kilogram;Milligram per Gram;mg/g;ug/mg   | A unit of a mass fraction expressed as a number of grams of substance per kilogram of mixture. The unit is also used as a dose calculation unit.(NCI)  | Gram per Kilogram             |
| C66975      | g/kg/day               | Gram per Kilogram per Day;Milligram per Gram per Day;mg/g/day   | A dose administration rate unit equal to the rate at which one gram of a product per kilogram of body mass is delivered or administered over the period of one day. (NCI)  | Gram per Kilogram per Day     |
| C42576      | g/L                    | Gram per Liter;Kilogram per Cubic Meter;Microgram per Microliter;Milligram per Milliliter;g/L;kg/m3;mg/mL;ug/uL | A unit of concentration or mass density equal to one milligram of substance per milliliter of solution or one gram of substance per liter of solution.   | Kilogram per Cubic Meter      |
| C67282      | g/m2                   | Gram per Square Meter   | A unit of area density defined as a spread rate at which one gram of a substance is spread over the area of one square meter. It is equal to approximately 0.029 4935 ounce per square yard. Also used as a dose calculation unit.(NCI)  | Gram per Square Meter         |
| C73722      | g/m2/day               | Gram per Square Meter per Day   | A dose calculation unit expressed in gram(s) per square meter per period of time equal to twenty-four hours.   | Gram per Square Meter per Day |
| C73721      | g/mol                  | mg/mmol   | A unit of mass commonly used to express the molar mass of a substance in gram(s) per mole. (NCI)   | Gram per Mole                 |
| C68915      | Gauss                  | Gauss   | The unit of magnetic flux density. A field of one Gauss exerts a force on a conductor, placed in the field of 0.1 dyne per Ampere of current per centimeter of conductor. One Gauss represents a magnetic flux of one Maxwell per square centimeter of cross-section perpendicular to the field. One Gauss equals 10 <sup>-4</sup> Tesla.(NCI)   | Gauss                         |
| C70513      | GBq                    | Gigabecquerel   | A unit of radioactivity equal to one billion nuclear disintegrations or other nuclear transformations per second, or to 10E9 Becquerels.(NCI)  | Gigabecquerel                 |
| C70525      | GBq/g                  | Gigabecquerel per Gram;Kilobecquerel per Microgram;kBq/ug   | A unit of specific radioactivity (massic activity) equal to activity of one gigabecquerel of the sample with total mass of one gram.(NCI)  | Gigabecquerel per Gram        |
| C70527      | GBq/mg                 | Gigabecquerel per Milligram;MBq/mcg;MBq/ug;Megabecquerel per Microgram  | A unit of specific radioactivity (massic activity) equal to activity of one gigabecquerel of the sample with total mass of one milligram.(NCI)   | Gigabecquerel per Milligram   |
| C70526      | GBq/ug                 | GBq/mcg;Gigabecquerel per Microgram;MBq/ng;Megabecquerel per nanogram   | A unit of specific radioactivity (massic activity) equal to activity of one gigabecquerel of the sample with total mass of one microgram.(NCI)   | Gigabecquerel per Microgram   |

| C71620 UNIT |                        |  |  |   |
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| NCI Code    | CDISC Submission Value | CDISC Synonym                                      | CDISC Definition   | NCI Preferred Term                                |
| C67347      | GPL U                  | Immunoglobulin G Phospholipid Units;[GPL'U]        | A unit for semiquantitative measurement of IgG autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard. (NCI)  | IgG Phospholipid Unit                             |
| C117971     | GPL U/mL               | Immunoglobulin G Phospholipid Units per Milliliter | A unit for semiquantitative measurement of IgG autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard, per unit of volume equal to one milliliter.  | Immunoglobulin G Phospholipid Unit per Milliliter |
| C48497      | grain                  | Grain  | A unit of mass derived from the weight of a grain and equal to one seven-thousandth of a pound, or 1/480 troy ounce, or 64.79891 milligrams. The original English grain unit based on the mass of a ripe grain barleycorn was larger the corresponding grain units of France and other European nations which were based on the weight of the smaller wheat grain.(NCI)  | Grain   |
| C73772      | Gravitational Unit     |  | A unit of acceleration expressed as a multiple of the force of gravity on earth (1 gravitational unit = 9.81m/s <sup>2</sup> ).  | Unit of Gravity                                   |
| C48491      | gtt                    | Drop   | A unit of volume equal to 0.05 milliliter (20 drops/ml).(NCI)  | Metric Drop                                       |
| C18063      | Gy                     | Gray   | A unit of absorbed radiation dose. One gray is equal to an absorbed dose of one joule per kilogram of matter, or to 100 rads.(NCI)   | Gray  |
| C42558      | Henry                  | Henry  | A unit of electric inductance. A coil with an inductance of one Henry requires a flux of one Weber for each Ampere of induced current. If it is the current which changes, then the induced field will generate a potential difference within the coil: if the inductance is one Henry a current change of one Ampere per second generates a potential difference of one volt. The Henry is a large unit; inductances in practical circuits are measured in millihenrys or microhenrys.(NCI) | Henry   |
| C116232     | HEP                    | Histamine Equivalent Prick Unit                    | Unit of measure of potency of allergenic product expressed as a number of histamine equivalent prick units.  | Histamine Equivalent Prick Unit                   |
| C48498      | HOMEOPATHIC DILUTION   | Homeopathic Dilution Unit                          | A dosing measurement based on the homeopathic dilution unit.(NCI)  | Homeopathic Dilution Unit                         |
| C94908      | Hounsfield Unit        | HU   | The unit of measure for the radiodensity of a substance. The radiodensity of distilled water at standard temperature and pressure is zero on the Hounsfield scale.   | Hounsfield Unit                                   |
| C25529      | HOURS                  | Hour;hr  | A unit measure of time equal to 3,600 seconds or 60 minutes. It is approximately 1/24 of a median day. (NCI)   | Hour  |
| C105487     | hPa                    | Hectopascal  | A SI derived unit of pressure equivalent to one hundred pascals, 1 millibar or 0.0145 pounds per square inch.  | Hectopascal                                       |
| C67274      | HPF                    | High Power Field                                   | The area visible under the maximum magnification power of the objective being used in microscopy.(NCI)   | High Power Field                                  |
| C42545      | Hz                     | Hertz  | A unit of frequency equal to one cycle per second.(NCI)  | Hertz   |

| C71620 UNIT |                        |   |  |  |
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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                       |
| C48499      | IMPLANT                | Implant Dosing Unit   | A dosing measurement based on the implant unit.(NCI)   | Implant Dosing Unit                      |
| C48500      | in                     | Inch  | A traditional unit of length equal to 2.54 centimeters. (NCI)  | Inch                                     |
| C68871      | in2                    | Square Inch   | A unit of area equal to the area of a square with sides of one inch. It is equal to 6.4516 square centimeters.(NCI)  | Square Inch                              |
| C48501      | INHALATION             | Inhalation Dosing Unit  | A dosing measurement based on the inhalation unit.(NCI)  | Inhalation Dosing Unit                   |
| C48579      | IU                     | IE;International Unit   | The unitage assigned by the WHO (World Health Organization) to International Biological Standards - substances, classed as biological according to the criteria provided by WHO Expert Committee on Biological Standardization, to enable the results of biological and immunological assay procedures to be expressed in the same way throughout the world. The definition of an international unit is generally arbitrary and technical, and has to be officially approved by the International Conference for Unification of Formulae.(NCI) | International Unit                       |
| C85645      | IU/day                 | IU/d  | International units per day.   | International Unit per Day               |
| C120848     | IU/dL                  |   | Unit of arbitrary substance concentration (biologic activity concentration) defined as the concentration of one international unit per one deciliter of system volume.   | International Unit per Deciliter         |
| C70493      | IU/g                   | International Unit per Gram   | A unit of measure of quantity of substance per unit mass, expressed in terms of the International Unit per grams.(NCI)   | International Unit per Gram              |
| C122207     | IU/g Hb                |   | A unit of concentration (biologic activity) equal to one international unit of substance per gram of hemoglobin.   | International Unit per Gram Hemoglobin   |
| C67379      | IU/kg                  | International Unit per Kilogram   | An arbitrary unit of substance content expressed in international units of biological activity per one kilogram of mass of the system. It is also used as a dose calculation unit expressed in international units of biological activity per one kilogram of body mass.(NCI)  | International Unit per Kilogram          |
| C71209      | IU/kg/h                | International units per Kilogram per Hour                                       | A dose calculation unit equal to one international unit (an arbitrary unit of biological activity) of a product per one kilogram of body mass administered per unit of time equal to one hour.(NCI)  | International Unit per Kilogram per Hour |
| C67376      | IU/L                   | IE/L;IU/L;International Unit per Liter;mIU/mL                                   | A unit of concentration (biologic activity) equal to one milli-international unit of substance per milliliter of solution or one international unit of substance per liter of solution.  | International Unit per Liter             |
| C67380      | IU/mg                  | International Unit per Milligram  | A unit of measure of quantity of substance per unit mass, expressed in terms of international units per milligram.   | International Unit per Milligram         |
| C67377      | IU/mL                  | IE/mL;International Unit per Milliliter;Kilo International Unit per Liter;kIU/L | A unit of concentration (biologic activity) equal to one international unit of substance per milliliter of solution.   | International Unit per Milliliter        |



| C71620 UNIT |                           |  |   |                                   |
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| NCI Code    | CDISC Submission Value    | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                |
| C122208     | IU/mmol                   |  | A unit of concentration (biologic activity) equal to one international unit of substance per millimole of substance.  | International Unit per Millimole  |
| C48502      | JAR                       | Jar Dosing Unit  | A dosing measurement based on the jar unit.(NCI)  | Jar Dosing Unit                   |
| C42548      | Joule                     | Joule  | A unit of electrical, mechanical, and thermal energy (as well as work and quantity of heat), equal to the work done when the point of application of a force of one Newton is displaced through a distance of one meter in the direction of the force or the work done when a current of one Ampere passes through a resistance of one ohm for one second. One joule is equal to 0.23889 gram-calorie (mean).(NCI)  | Joule                             |
| C122209     | ka_u/dL                   |  | A unit of phosphatase concentration that can free one milligram of phenol from disodium phenylphosphate at standard conditions, per unit volume of the mixture equal to one deciliter. (NCI)  | King-Armstrong Unit per Deciliter |
| C48503      | KALLIKREIN INHIBITOR UNIT | Kallikrein Inhibitor Unit  | A dosing measurement based on the Kallikrein inhibitor unit.(NCI)   | Kallikrein Inhibitor Unit         |
| C42566      | kat                       | Katal  | A unit for measuring catalytic (e.g. enzymatic) activity, the ability of the compound to accelerate the chemical reaction by providing a lower energy pathway between the reactants and the products. One katal is that catalytic activity which will raise the rate of reaction by one mole per second in a specified assay system. When the katal is used, the measurand should be specified by reference to the measurement procedure; the measurement procedure must identify the indicator reaction. The katal is not used to express a rate of reaction itself, which should be expressed in moles per second.(NCI) | Katal                             |
| C70511      | kBq                       | Kilobecquerel  | A unit of radioactivity equal to one thousand nuclear disintegrations or other nuclear transformations per second, or to 10E3 Becquerels.(NCI)  | Kilobecquerel                     |
| C71168      | kBq/uL                    | GBq/L;Gigabecquerel per Liter;Kilobecquerel per Microliter;MBq/mL;Megabecquerel per Milliliter | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one thousand Becquerels per unit volume equal to one millionth of a liter.(NCI)   | Kilobecquerel per Microliter      |
| C67194      | kcal                      | Kilogram-Calorie   | A unit of energy defined as the amount of heat required to raise the temperature of one kilogram of pure water by one degree Centigrade under standard conditions (the specific heat of the water at 15 degrees Celsius and the constant pressure of 101.325 kilopascals or one atm being defined as unity), equal to approximately 4.1855 kJ. It is also is used by nutritionists in measuring the energy-producing potential of food as a unit of potential energy contained by a substance, which can be liberated when the material is oxidized, usually by combustion in the presence of oxygen.(NCI)                | Calorie                           |
| C105491     | kDa                       | Kilodalton;Kilounified Atomic Mass Unit;ku   | A mass unit equal to one thousand daltons.  | Kilodalton                        |

| C71620 UNIT |                        |  |  |                                   |
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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                |
| C28252      | kg                     | Kilogram   | The basic SI unit of mass. It is defined as the mass of an international prototype in the form of a platinum-iridium cylinder kept at Sevres in France. It is the only basic unit still defined in terms of a material object, and also the only one with a prefix [kilo] already in place. A kilogram is equal to 1,000 grams and 2.204 622 6 pounds. (NCI)   | Kilogram                          |
| C120849     | kg/cm                  |  | A unit of measure equal to kilograms per length unit equal to one centimeter.  | Kilogram per Centimeter           |
| C69094      | kg/cm2                 | Kilogram per Square Centimeter                                 | A unit of spread rate of a substance by mass expressed in kilograms per area unit equal to one square centimeter, used also as a measure of area density and as a dose calculation unit.(NCI)  | Kilogram per Square Centimeter    |
| C64566      | kg/L                   | Gram per Milliliter;Kilogram per Liter;g/mL;gram/mL;kg/L;mg/uL | A unit of concentration or mass density equal to one gram of substance per milliliter of solution or one kilogram of substance per liter of solution.  | Kilogram per Liter                |
| C49671      | kg/m2                  | Kilogram per Square Meter                                      | A unit expressed as kilogram of mass per square meter of area.(NCI)  | Kilogram per Square Meter         |
| C122210     | kg/mol                 | g/mmol   | A unit of mass commonly used to express the molar mass of a substance in kilogram(s) per mole.   | Kilogram per Mole                 |
| C67279      | kHz                    | kilohertz  | A unit of measure denoting the frequency equal to 1000 cycles per second meaning e.g. that the cyclical waveform changes from one state to the other (from one polarity to the other) 1000 times per second. (NCI)   | Kilohertz                         |
| C48504      | KIT                    | Kit Dosing Unit  | A dosing measurement based on the kit unit.(NCI)   | Kit Dosing Unit                   |
| C70492      | kIU                    | Kilo International Unit  | A unit equal to one thousand international units.(NCI)   | Kilointernational Unit            |
| C71177      | km                     | Kilometer  | A unit of distance equal to 1000 meters, 0.621 miles, 1094 yards, or 3281 feet.(NCI)   | Kilometer                         |
| C71203      | km/h                   | Kilometer Per Hour   | A unit of both speed (scalar) and velocity (vector), defined as the distance of one thousand meters travelled per unit time equal to one hour.(NCI)  | Kilometer per Hour                |
| C92615      | kN/cm2                 | Kilonewton per Centimeter Squared;kdyn/cm2                     | The kilonewton per centimeter squared is an SI derived unit of pressure; one newton is computed as the force necessary to accelerate a mass of one gram at the rate of one centimeter per second squared. One kilonewton per centimeter squared is descriptive of the amount of force exerted in a particular area. This measurement is frequently used when describing conditions of cellular movement. (NCI) | Kilonewton per Centimeter Squared |
| C67284      | kPa                    | Kilopascal   | A SI derived unit of pressure equivalent to 1000 newtons per square meter or 10000 bars or to 0.145 pound per square inch. (NCI)   | Kilopascal                        |
| C105492     | kPa/L/sec              | Pa/mL/sec  | A unit of resistance equal to the number of kilopascals per unit of volume equal to one liter per unit of time equal to one second. (NCI)  | Kilopascal Per Liter Per Second   |
| C105493     | ks                     | 10^3 sec;Kilosecond;ksec                                       | A unit of time equal to one thousand seconds (10E3 seconds). (NCI)   | Kilosecond                        |

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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                    |
| C71202      | kUSP                   | Kilo United States Pharmacopoeia Unit                 | A unit of potency equal to one thousand US Pharmacopoeia Units.(NCI)   | Kilo United States Pharmacopoeia Unit                 |
| C48505      | L                      | Liter   | A unit of volume equal to a cubic decimeter, or one thousandth of cubic meter, or 1000 cubic centimeters, or approximately 61.023 744 cubic inches.(NCI)   | Liter   |
| C69110      | L/day                  |   | A unit of flow rate, defined as a rate of one liter per day.   | Liter per Day   |
| C69160      | L/h                    |   | A unit of flow rate, defined as a rate of one liter per hour.  | Liter per Hour  |
| C105494     | L/h/m2                 | Liters per Hour per Square Meter                      | A unit expressed as one liter of volume per unit of time equal to one hour per square meter of area. (NCI)   | Liter Per Hour Per Square Meter                       |
| C73725      | L/kg                   |   | Liters (volume) divided by kilograms (weight).   | Liter per Kilogram                                    |
| C105495     | L/L                    | Liter per Liter;dL/dL;mL/mL;uL/uL                     | A unit of volume concentration equal to the number of liters per unit of volume equal to one liter.  | Liter Per Liter                                       |
| C67388      | L/min                  |   | A unit of flow rate, defined as a rate of one liter per minute.  | Liter per Minute                                      |
| C105496     | L/min/m2               | Liters per Minute per Square Meter                    | A unit expressed as one liter of volume per unit of time equal to one minute per square meter of area. (NCI)   | Liter Per Minute Per Square Meter                     |
| C67390      | L/s                    | L/sec   | Liters per second.   | Liter per Second                                      |
| C48531      | LB                     | Pound   | A traditional unit of mass. By international agreement, one avoirdupois pound is equal to exactly 0.453 592 37 kilogram, 16 ounces, or 1.215 28 troy pounds. (NCI)   | Pound   |
| C42560      | lm                     | Lumen   | A unit of luminous flux. It is the amount of light that falls on a unit area at unit distance from a source of one candela.(NCI)   | Lumen   |
| C70480      | log EID 50/dose        | Log10 50 Percent Embryo Infective Dose per Dose       | A logarithmic-scale (base 10) potency unit for measuring infectious activity of a biologic product or infectious agent preparation equal to the potency at which one dose of infectious material contains one 50 percent embryo infective dose.(NCI)       | Log10 50 Percent Embryo Infective Dose per Dose       |
| C70485      | log10 CCID 50/dose     | Log10 50 Percent Cell Culture Infective Dose per Dose | A logarithmic-scale (base 10) potency unit for measuring infectious activity of a biologic product or infectious agent preparation equal to the potency at which one dose of infectious material contains one 50 percent cell culture infective dose.(NCI) | Log10 50 Percent Cell Culture Infective Dose per Dose |
| C102658     | log10 CFU/g            |   | A logarithmic-scale (base 10) unit for measuring colony forming units per unit of mass equal to one gram.  | Log10 Colony Forming Units per Gram                   |
| C102659     | log10 CFU/mL           |   | A logarithmic-scale (base 10) unit for measuring colony forming units per unit of volume equal to one milliliter.  | Log10 Colony Forming Units per Milliliter             |
| C117972     | log10 copies/mL        |   | A logarithmic-scale (base 10) unit for measuring copies per unit of volume equal to one milliliter.  | Log10 Copies per Milliliter                           |

| C71620 UNIT |                        |   |   |   |
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| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition  | NCI Preferred Term                                      |
| C68878      | Log10 ELISA unit       | Log10 Enzyme-Linked Immunosorbent Assay Unit            | A logarithmic-scale (base 10) unit for measuring concentration and/or reactivity of a test substance (an antigen or antibody of interest) as defined in the literature reference for the particular quantitative enzyme-linked immunosorbent assay method.(NCI)           | Log10 Enzyme-Linked Immunosorbent Assay Unit            |
| C68879      | Log10 ELISA unit/dose  | Log10 Enzyme-Linked Immunosorbent Assay Unit per Dose   | A logarithmic-scale (base 10) unit for measuring potency of immunologically active substance in a product determined as reactivity in a quantitative immunoassay for particular antigen or antibody and expressed per quantity of preparation used as a single dose.(NCI) | Log10 Enzyme-Linked Immunosorbent Assay Unit per Dose   |
| C116238     | log10 IU/mL            |   | A logarithmic-scale (base 10) unit for measuring international units per unit of volume equal to one milliliter.  | Log10 International Units per Milliliter                |
| C70489      | log10 TCID 50/dose     | Log10 50 Percent Tissue Culture Infective Dose per Dose | A logarithmic-scale (base 10) potency unit for measuring infectious activity of a biologic product or infectious agent preparation equal to the potency at which one dose of infectious material contains one 50 percent tissue culture infective dose.(NCI)              | Log10 50 Percent Tissue Culture Infective Dose per Dose |
| C48506      | LOZENGE                | Lozenge Dosing Unit                                     | A dosing measurement based on the lozenge unit.(NCI)  | Lozenge Dosing Unit                                     |
| C67307      | LPF                    | Low Power Field   | The area visible in one view field of the microscope under the low magnification of the objective being used in microscopy.(NCI)  | Low Power Field   |
| C42561      | lx                     | Lux   | A unit of illuminance equal to the direct illumination on a surface that is everywhere one meter from a uniform point source of one candela; a unit of illuminance that is equal to one lumen per square meter.(NCI)  | Lux   |
| C41139      | m                      | Meter   | A meter is defined as the length of the path traveled by light in a vacuum during a time interval of 1/299 792 458 of a second and is equal to 1.093 61 yards.(NCI)   | Meter   |
| C42571      | m/sec                  | Meter Per Second  | A unit of both speed (scalar) and velocity (vector), defined as the distance of one meter travelled per unit time equal to one second.(NCI)   | Meter per Second  |
| C42572      | m/sec2                 |   | A unit of acceleration equal to one meter per unit of time equal to one second squared.   | Meter per Second Squared                                |
| C42569      | m2                     | Square Meter  | The SI unit of area measurement equal to a square whose sides are one meter long. Square meter is equal to 10,000 square centimeters; 0.01 ares; 1.196 square yards; 10.76 square feet; 1550 square inches. (NCI)   | Square Meter  |
| C42570      | m3                     | Cubic Meter   | A unit of volume or capacity equal to the volume of a cube with edges one meter in length. It is equal to 1,000 liters; 1,000 cubic decimeters; 10(E6) cubic centimeters; 25.3 cubic feet; 6.29 barrels.(NCI)   | Cubic Meter   |
| C122211     | mAnson U/mL            |   | A unit of enzymatic activity defined as one milli-Anson unit per unit volume equal to one milliliter.   | Milli-Anson Unit per Milliliter                         |
| C70512      | MBq                    | Megabecquerel   | A unit of radioactivity equal to one million nuclear disintegrations or other nuclear transformations per second, or to 10E6 Becquerels.(NCI)   | Megabecquerel   |

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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term             |
| C71169      | MBq/uL                 | GBq/mL;Gigabecquerel per Milliliter;Megabecquerel per Microliter | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one million Becquerels per unit volume equal to one millionth of a liter.(NCI)                               | Megabecquerel per Microliter   |
| C48511      | mCi                    | Millicurie   | A unit of radioactivity equal to one thousandth of a Curie or 37 megabecquerels, and corresponding to a radioactivity of 37 millions of atomic disintegrations per second.(NCI)  | Millicurie                     |
| C70570      | mCi/kg                 | Microcurie per Gram;Millicurie per Kilogram;uCi/g                | A unit of specific radioactivity (massic activity) equal to activity of one millicurie of the sample with total mass of one kilogram.(NCI)   | Millicurie per Kilogram        |
| C71174      | mCi/L                  | Microcurie per Milliliter;Millicurie per Liter;uCi/mL            | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one thousandth of a Curie per unit volume equal to one liter.(NCI)   | Millicurie per Liter           |
| C48512      | mEq                    | Milliequivalent  | A unit of relative amount of a substance equal to one thousandth of an equivalent weight.(NCI)   | Milliequivalent                |
| C67471      | mEq/day                | Milliequivalents per Day   | A unit of relative amount of substance flow rate equivalent to the rate at which one thousandth of an equivalent of substance travels to a given object or space over a period of time equal to twenty four hours.(NCI)              | Milliequivalent per 24 Hours   |
| C67473      | mEq/dL                 | Milliequivalent per Deciliter                                    | A concentration unit measured as a number of milliequivalents of solute per deciliter of solution. (NCI)   | Milliequivalent per Deciliter  |
| C70580      | mEq/g                  | Milliequivalent Per Gram   | A unit of relative amount of substance content equivalent to the content at which one gram of mixture contains one thousandth of an equivalent of a component. The unit is also used as a dose calculation unit.(NCI)                | Milliequivalent per Gram       |
| C67475      | mEq/kg                 | Milliequivalent Per Kilogram                                     | A unit of relative amount of substance content equivalent to the content at which one kilogram of mixture contains one thousandth of an equivalent of a component. The unit is also used as a dose calculation unit.(NCI)            | Milliequivalent per Kilogram   |
| C67474      | mEq/L                  | Milliequivalent Per Liter;Millivalent per Liter;mval/L           | A concentration unit measured as a number of milliequivalents of solute per liter of solution.(NCI)  | Milliequivalent per Liter      |
| C73737      | mEq/mL                 | Milliequivalent per Milliliter                                   | A concentration unit expressed in milliequivalent(s) of solute per milliliter of solution. (NCI)   | Milliequivalent per Milliliter |
| C92616      | mEq/mmol               | Milliequivalent per Millimole                                    | A concentration unit measured as a number of one thousandth of an equivalent weight per millimole of substance. (NCI)  | Milliequivalent per Millimole  |
| C70581      | mEq/ug                 | Milliequivalent Per Microgram;mEq/mcg                            | A unit of relative amount of substance content equivalent to the content at which one millionth of a gram of mixture contains one thousandth of an equivalent of a component. The unit is also used as a dose calculation unit.(NCI) | Milliequivalent per Microgram  |
| C70578      | mEq/uL                 | Milliequivalent Per Microliter                                   | A concentration unit measured as a number of milliequivalents of solute per microliter of solution.(NCI)   | Milliequivalent per Microliter |

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| NCI Code    | CDISC Submission Value | CDISC Synonym                                 | CDISC Definition   | NCI Preferred Term                          |
| C96691      | MESF                   | Molecules of Equivalent Soluble Fluorochromes | A unit of measure of the fluorescence intensity of a fluorochrome-labeled sample, which is equivalent to the fluorescence intensity of a solution containing an equivalent number of molecules of free fluorochrome in solution, under identical experimental conditions.  | Molecule of Equivalent Soluble Fluorochrome |
| C127805     | MET                    | Metabolic Equivalent of Task                  | A unit of energy expenditure equal to the ratio of metabolic rate during physical activity versus a reference metabolic rate.  | Metabolic Equivalent of Task Unit           |
| C127806     | MET*h                  |   | A unit of energy expenditure equal to the number of metabolic equivalent of task units times the number of hours of performed activity.  | Metabolic Equivalent of Task Hours          |
| C127807     | MET*min                |   | A unit of energy expenditure equal to the number of metabolic equivalent of task units times the number of minutes of performed activity.  | Metabolic Equivalent of Task Minute         |
| C96687      | MFI                    | Median Fluorescence Intensity                 | A unit of measure equal to the geometric mean fluorescence intensity of a log-normal distribution of fluorescence signals.   | Median Fluorescence Intensity               |
| C28253      | mg                     | Milligram                                     | The unit of mass equal to one thousandth of a gram or 1000 micrograms. One milligram equals approximately 0.015432 grain or 35.274 x 10E-6 ounce.(NCI)   | Milligram                                   |
| C73738      | mg/animal              | Milligram per Animal                          | A unit of measure expressed in milligram(s) per animal.  | Milligram per Animal                        |
| C124456     | mg/cm2                 |   | A unit of area density defined as a spread rate at which one milligram of a substance is spread over the area of one square centimeter. The unit is also used as a dose calculation unit.  | Milligram per Squared Centimeter            |
| C67399      | mg/day                 | Milligram per Day                             | A unit of measure referring to the ratio between mass expressed in milligrams per day.(NCI)  | Milligram per 24 Hours                      |
| C67015      | mg/dL                  | Milligram per Deciliter;mg%                   | A unit of mass concentration defined as the concentration of one milligram of a substance in unit volume of the mixture equal to one cubic deciliter or 100 cubic centimeters. It is also a unit of mass density (volumic mass) defined as the density of substance which mass equal to one milligram occupies the volume one cubic deciliter or 100 cubic centimeters.(NCI) | Milligram per Deciliter                     |
| C124457     | mg/dose                |   | A unit of measure expressed in milligram(s) per dose.  | Milligram per Dose                          |
| C73740      | mg/g/h                 | Milligram per Gram per Hour                   | A dose calculation unit expressed in milligram(s) per gram per period of time equal to sixty minutes. (NCI)  | Milligram per Gram per Hour                 |
| C73741      | mg/g/min               | Milligram per Gram per Minute                 | A dose calculation unit expressed in milligram(s) per gram per period of time equal to sixty seconds. (NCI)  | Milligram per Gram per Minute               |
| C66969      | mg/h                   | Milligram per Hour                            | A unit of mass flow rate equivalent to the rate at which one thousandth of a gram of matter travels to a given object or space over a period of time equal to one hour.(NCI)   | Milligram per Hour                          |
| C67401      | mg/kg                  | Milligram per Kilogram;ug/g                   | A unit of a mass fraction expressed as a number of milligrams of substance per kilogram of mixture. The unit is also used as a dose calculation unit.(NCI)   | Milligram per Kilogram                      |

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| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term                     |
| C66976      | mg/kg/day              | Milligram per Kilogram per Day   | A dose calculation unit expressed in milligram(s) per kilogram per period of time equal to twenty-four hours. (NCI)   | Milligram per Kilogram per Day         |
| C124458     | mg/kg/dose             |  | A dose calculation unit expressed in milligram(s) per kilogram per single dose.   | Milligram per Kilogram per Dose        |
| C71362      | mg/kg/h                | Milligram per Kilogram per Hour  | A dose calculation unit equal to one thousandth of a gram of a preparation per one kilogram of body mass administered per unit of time equal to one hour.(NCI)                                | Milligram per Kilogram per Hour        |
| C71207      | mg/kg/min              | Milligram per Kilogram per Minute  | A dose calculation unit equal to one thousandth of a gram of a preparation per one kilogram of body mass administered per unit of time equal to one minute.(NCI)                              | Milligram per Kilogram per Minute      |
| C64572      | mg/L                   | Gram per Cubic Meter;Microgram per Milliliter;Milligram per Liter;g/m3;mcg/mL;mg/L;ng/uL;ug/mL | A unit of concentration or mass density equal to one microgram of substance per milliliter of solution or one milligram of substance per liter of solution.                                   | Microgram per Milliliter               |
| C67402      | mg/m2                  | Milligram per Square Meter   | A unit of area density equal to approximately 2.94935E-5 ounce per square yard. Also used as a dose calculation unit.(NCI)  | Milligram per Square Meter             |
| C66974      | mg/m2/day              | Milligram per Square Meter per Day   | A dose calculation unit expressed in milligram(s) per square meter per period of time equal to twenty-four hours. (NCI)   | Milligram per Square Meter per Day     |
| C73743      | mg/m2/h                | Milligram per Square Meter per Hour  | A dose calculation unit expressed in milligram(s) per square meter per period of time equal to sixty minutes. (NCI)   | Milligram per Square Meter per Hour    |
| C73744      | mg/m2/min              | Milligram per Square Meter per Minute  | A dose calculation unit expressed in milligram(s) per square meter per period of time equal to sixty seconds. (NCI)   | Milligram per Square Meter per Minute  |
| C73742      | mg/min                 | Milligram per Minute   | Milligrams per minute.  | Milligram per Minute                   |
| C67403      | mg/mL/min              | Milligram per Milliliter per Minute  | A unit expressed in milligrams per milliliter per period of time equal to sixty seconds.  | Milligram per Milliliter per Minute    |
| C120843     | mg/mol                 | ug/mmol  | A unit of mass commonly used to express the molar mass of a substance in milligram(s) per mole.   | Milligram per Mole                     |
| C122212     | mg2/dL2                |  | A unit of mass concentration defined as one square milligram of a substance in unit volume of the mixture equal to one square deciliter.  | Square Milligram per Square Deciliter  |
| C67314      | MHz                    | Megahertz  | The SI derived unit of frequency; equal to one million oscillations per second or to 10E6 hertz. (NCI)  | Megahertz                              |
| C71183      | Mile                   | International Mile   | A unit of distance equal to 5280 international feet, 1760 international yards, or 1609.344 meters.(NCI)   | Mile                                   |
| C48154      | min                    | Minute Unit of Time  | A unit measure of time equal to 60 seconds.(NCI)  | Minute                                 |
| C67405      | mIU/L                  | Micro-International Unit per milliliter;mIE/L;mIU/L;mcIU/mL;uIU/mL                             | A unit of concentration (biologic activity) equal to one micro-international unit of substance per milliliter of solution or one milli-international unit of substance per liter of solution. | Microinternational Unit per Milliliter |

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| NCI Code    | CDISC Submission Value | CDISC Synonym                  | CDISC Definition   | NCI Preferred Term                 |
| C116241     | mJoule/cm2             |                                | A unit of radiant exposure defined as a unit of energy equal to one millijoule applied to a unit of area equal to one square centimeter.         | Millijoules per Square Centimeter  |
| C70507      | mkat                   | Millikatal                     | A unit of catalytic activity measurement equal to one thousandth of one katal (10E-3 katal).(NCI)  | Millikatal                         |
| C28254      | mL                     | Milliliter;cm3                 | The unit of volume equal to one thousandth of a liter, one cubic centimeter, 10E-6 cubic meter, or approximately to 0.061 023 7 cubic inch.(NCI) | Milliliter                         |
| C73746      | mL/animal              | Milliliter per Animal          | A unit of measure expressed in milliliter(s) per animal.   | Milliliter per Animal              |
| C73747      | mL/animal/day          | Milliliter per Animal per Day  | A unit of measure expressed in milliliter(s) per animal per period of time equal to twenty-four hours.   | Milliliter per Animal per Day      |
| C73748      | mL/animal/wk           | Milliliter per Animal per Week | A unit of measure expressed in milliliter(s) per animal per period of time equal to seven days.  | Milliliter per Animal per Week     |
| C127808     | mL/beat                |                                | A unit of measure expressed in milliliter(s) per heart beat.   | Milliliter per Heartbeat           |
| C73749      | mL/breath              | Milliliter per Breath          | A unit of measure expressed in milliliter(s) per inspiration or expiration of breath.  | Milliliter per Breath              |
| C73750      | mL/cage                | Milliliter per Cage            | A unit of measure expressed in milliliter(s) per cage.   | Milliliter per Cage                |
| C73751      | mL/cage/day            | Milliliter per Cage per Day    | A unit of measure expressed in milliliter(s) per cage per period of time equal to twenty-four hours.   | Milliliter per Cage per Day        |
| C73752      | mL/cage/wk             | Milliliter per Cage per Week   | A unit of measure expressed in milliliter(s) per cage expressed per period of time equal to seven days.  | Milliliter per Cage per Week       |
| C105503     | mL/cm                  | Milliliter per Centimeter;dL/m | A unit of measure equal to the number of milliliters per unit of length equal to one centimeter. (NCI)   | Milliliter per Centimeter          |
| C98755      | mL/cm H2O              |                                | A unit of pressure expressed in milliliter(s) per centimeter of water. (NCI)   | Milliliter per Centimeter of Water |
| C67410      | mL/day                 |                                | A unit of flow rate, defined as a rate of one milliliter per day.  | Milliliter per 24 Hours            |
| C105504     | mL/dL                  | Milliliters per Deciliter      | A unit of volume concentration equal to the number of milliliters per unit of volume equal to one deciliter.                                     | Milliliter per Deciliter           |
| C124459     | mL/dose                |                                | A unit of measure expressed in milliliter(s) per dose.   | Milliliter per Dose                |
| C73754      | mL/g                   |                                | Milliliters (volume) divided by grams (weight).  | Milliliter per Gram                |
| C73755      | mL/g/day               | (L/day)/kg;mL/g/day            | Milliliters per gram per day or liters per day (flow rate), divided by kilograms (weight).   | Milliliter per Gram per Day        |
| C73756      | mL/g/h                 | (L/h)/kg;mL/g/h                | Milliliters per gram per hour or liters per hour (flow rate), divided by kilograms (weight).   | Milliliter per Gram per Hour       |
| C73757      | mL/g/min               | (L/min)/kg;mL/g/min            | Milliliters per gram per minute or liters per minute (flow rate), divided by kilograms (weight).   | Milliliter per Gram per Minute     |
| C66962      | mL/h                   |                                | A unit of flow rate, defined as a rate of one milliliter per hour.   | Milliliter per Hour                |



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| NCI Code    | CDISC Submission Value | CDISC Synonym                          | CDISC Definition  | NCI Preferred Term   |
| C67411      | mL/kg                  |  | Milliliters (volume) divided by kilograms (weight).   | Milliliter per Kilogram                                    |
| C73758      | mL/kg/day              | (mL/day)/kg;mL/kg/day                  | Milliliters per kilogram per day or milliliters per day (flow rate), divided by kilograms (weight).   | Milliliter per Kilogram per Day                            |
| C73759      | mL/kg/h                | (mL/h)/kg;mL/kg/h                      | Milliliters per kilogram per hour or milliliters per hour (flow rate), divided by kilograms (weight).   | Milliliter per Kilogram per Hour                           |
| C73760      | mL/kg/min              | (mL/min)/kg;mL/kg/min                  | Milliliters per kilogram per minute or milliliters per minute (flow rate), divided by kilograms (weight).   | Milliliter per Kilogram per Minute                         |
| C73761      | mL/m2                  |  | Milliliters (volume) divided by meters squared (surface area).  | Milliliter per Square Meter                                |
| C66977      | mL/m2/day              | Milliliter per Square Meter per Day    | A dose calculation unit expressed in milliliter(s) per square meter per period of time equal to twenty-four hours. (NCI)  | Milliliter per Square Meter per Day                        |
| C73762      | mL/m2/h                | Milliliter per Square Meter per Hour   | A dose calculation unit expressed in milliliter(s) per square meter per period of time equal to sixty minutes. (NCI)  | Milliliter per Square Meter per Hour                       |
| C73763      | mL/m2/min              | Milliliter per Square Meter per Minute | A dose calculation unit expressed in milliliter(s) per square meter per period of time equal to sixty seconds. (NCI)  | Milliliter per Square Meter per Minute                     |
| C64777      | mL/min                 |  | A unit of flow rate, defined as a rate of one milliliter per minute.  | Milliliter per Minute                                      |
| C67412      | mL/min/1.73m2          |  | A metric unit of volumetric flow rate defined as the rate at which one milliliter of matter travels during the period of time equal to one minute per 1.73 meters squared of body surface area. | Milliliter per Minute per 1.73 m2 of Body Surface Area     |
| C67417      | mL/min/mmHg            | Milliliter per Minute per Torr         | A unit of measure equal to the number of milliliters per unit of time equal to one minute per unit of pressure equal to one milliliter of mercury (mmHg).                                       | Milliliter per Minute per Millimeters of Mercury           |
| C106542     | mL/mmHg                | Milliliters per Millimeter of Mercury  | A unit equal to the volume in milliliters per one millimeter rise of mercury in a barometer at the Earth's surface. (NCI)   | Milliliters Per Millimeter of Mercury                      |
| C67418      | mL/mmHg/min/L          |  | A unit of gas diffusion capacity equal to one milliliter per millimeter of mercury per minute per liter of volume.  | Milliliter per Minute per Millimeters of Mercury per Liter |
| C69073      | mL/s                   | mL/sec                                 | Milliliters per second.   | Milliliter per Second                                      |
| C105505     | mL/sec/1.73m2          |  | A metric unit of volumetric flow rate defined as the rate at which one milliliter of matter travels during the period of time equal to one second per 1.73 meters squared of body surface area. | Milliliter Per Second Per 1.73 Meter Squared               |
| C28251      | mm                     | Millimeter                             | A unit of measure equal to one thousandth of a meter. (NCI)   | Millimeter   |
| C105509     | mm/2h                  | Millimeters per Two Hours              | A unit of both speed (scalar) and velocity (vector), defined as the distance of one centimeter travelled per unit time equal to two hours. (NCI)  | Millimeter per Two Hours                                   |
| C67419      | mm/h                   | Millimeter per Hour                    | A unit of both speed (scalar) and velocity (vector), defined as the distance of one millimeter travels per unit time equal to one hour.(NCI)  | Millimeter per Hour  |

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| NCI Code    | CDISC Submission Value                 | CDISC Synonym   | CDISC Definition   | NCI Preferred Term                                 |
| C105507     | mm/min                                 | Millimeters per Minute  | A unit of both speed (scalar) and velocity (vector), defined as the distance of one millimeter travelled per unit time equal to one minute. (NCI)  | Millimeter Per Minute                              |
| C105508     | mm/sec                                 | Millimeters per Second  | A unit of both speed (scalar) and velocity (vector), defined as the distance of one millimeter travelled per unit time equal to one second. (NCI)  | Millimeter Per Second                              |
| C65104      | mm <sup>2</sup>                        | Square Millimeter   | A unit of area measurement equal to a square measuring one millimeter on each side. One square millimeter is equal to 10(E-2) square centimeter and 10(E-6) square meter.(NCI)                                 | Square Millimeter                                  |
| C126080     | mm <sup>3</sup> /mm <sup>2</sup> /year |   | A unit defined as the volume, in cubic millimeters, per area equal to one square millimeter per unit of time equal to one year.  | Cubic Millimeter per Square Millimeter per Year    |
| C49670      | mmHg                                   | Millimeter of Mercury   | A unit of pressure equal to 0.001316 atmosphere and equal to the pressure indicated by one millimeter rise of mercury in a barometer at the Earth's surface. (NCI)   | Millimeter of Mercury                              |
| C105506     | mmHg/L/min                             |   | A unit of resistance equal to the number of millimeters of mercury per unit of volume equal to one liter per unit of time equal to one minute.   | Millimeter Mercury Per Liter Per Minute            |
| C73764      | mmHg/sec                               | Millimeter of Mercury per Second  | A rate of inflation or deflation of a manometric device based on the unit of pressure equal to 133,332 Pa or 1.316E10-3 standard atmosphere during period of time equal to one sixtieth of a minute. (NCI)     | Millimeter of Mercury per Second                   |
| C48513      | mmol                                   | Millimole   | A unit of amount of substance equal to 0.001 mole.(NCI)  | Millimole  |
| C67420      | mmol/day                               | Millimole per 24 Hours  | A unit of amount of substance flow rate equivalent to the rate at which one thousandth of a mole of substance travels or is delivered to a given object or space over a period of time equal to 24 hours.(NCI) | Millimole per 24 Hours                             |
| C68740      | mmol/g                                 | Millimole per Gram  | A unit amount of substance content (molality unit) defined as one mole of solute per one kilogram of solvent.(NCI)   | Mole per Kilogram                                  |
| C68892      | mmol/kg                                | Millimole per Kilogram  | A unit of amount of substance content (molality unit) defined as one thousandth of mole (10E-3 mole) of solute per one kilogram of solvent.(NCI)   | Millimole per Kilogram                             |
| C64387      | mmol/L                                 | Micromole per Milliliter; Millimole per Liter; Mole per Cubic Meter; mcmol/mL; mmol/L; mol/m <sup>3</sup> ; nmol/uL; u mol/mL | A unit of concentration (molarity unit) equal to one millimole of solute per liter of solution.  | Millimole per Liter                                |
| C116242     | mmol/min/kPa                           |   | A unit of gas diffusion capacity equal to one millimole per minute per kilopascal.   | Millimoles per Minute per Kilopascal               |
| C67423      | mmol/min/kPa/L                         |   | A unit of gas diffusion capacity equal to one millimole per minute per kilopascal per liter of volume.   | Millimole per Minute per Thousand Pascal per Liter |
| C111253     | mmol/mol                               |   | A unit of fraction expressed as the ratio of the amount of a substance in solution, in millimoles, to the amount of a different substance in the mixture, in moles.  | Millimole per Mole                                 |
| C122213     | mmol <sup>2</sup> /L <sup>2</sup>      |   | A unit of concentration (molarity unit) equal to one square millimole of solute per square liter of solution.  | Square Millimole per Square Liter                  |

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| NCI Code    | CDISC Submission Value | CDISC Synonym                                      | CDISC Definition  | NCI Preferred Term                                |
| C127809     | mN                     | Millinewton  | A unit of force equal to one thousandth of a Newton.  | Millinewton                                       |
| C42539      | mol                    | Mole   | A unit defined as the amount of substance that contains as many elementary units as there are atoms in 0.012 kg of carbon-12. When the mole is used, the elementary entities must be specified and may be atoms, molecules, ions, electrons, other particles, or specified groups of such particles.(NCI) | Mole  |
| C85737      | mol/day                | mol/d  | Moles per day.  | Mole per Day                                      |
| C68893      | mol/g                  | mmol/mg  | A unit of amount of substance content (molality unit) defined as one mole of solute per one gram of solvent.(NCI)   | Mole per Gram                                     |
| C48555      | mol/L                  | Mole per Liter;mmol/mL;mol/L                       | A unit of concentration (molarity unit) equal to one mole of solute in one liter of solution.(NCI)  | Mole per Liter                                    |
| C68894      | mol/mg                 | Mole per Milligram                                 | A unit of amount of substance content (molality unit) defined as one mole of solute per one milligram of solvent.(NCI)  | Mole per Milligram                                |
| C68891      | mol/mL                 | Mole per Milliliter                                | A unit of concentration (molarity unit) equal to one mole of solute in one milliliter of solution.(NCI)   | Mole per Milliliter                               |
| C70455      | mol/mol                | Mole per Mole;mmol/mmol                            | A unit of fraction expressed as the ratio of the amount of substance of solute in moles to the amount of substance of the mixture in moles.(NCI)  | Mole per Mole                                     |
| C29846      | MONTHS                 | Month  | One of the 12 divisions of a year as determined by a calendar. It corresponds to the unit of time of approximately to one cycle of the moon's phases, about 30 days or 4 weeks. (NCI)   | Month   |
| C67318      | mOsm                   | Milliosmole  | A unit of osmotic pressure equal to one thousandth of an osmole or osmotic pressure of 0.001 molar solution of a substance that does not dissociate. (NCI)  | Milliosmole                                       |
| C67427      | mOsm/kg                | Milliosmole per Kilogram                           | A unit of osmotic pressure equal to one thousandth of an osmole per kilogram substance.   | Milliosmole per Kilogram                          |
| C122214     | mOsm/L                 |  | A unit of osmotic pressure equal to one thousandth of an osmole per unit of volume equal to one Liter.  | Milliosmole per Liter                             |
| C73765      | mPa                    | Millipascal  | A SI derived unit of pressure equivalent to one thousandth of one pascal. (NCI)   | Millipascal                                       |
| C105500     | mph                    | Miles per Hour                                     | A unit of both speed (scalar) and velocity (vector), defined as the distance of one mile travelled per unit time equal to one hour. (NCI)   | Mile Per Hour                                     |
| C67348      | MPL U                  | Immunoglobulin M Phospholipid Units;[MPL'U]        | A unit for semiquantitative measurement of IgM autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard.   | IgM Phospholipid Unit                             |
| C117973     | MPL U/mL               | Immunoglobulin M Phospholipid Units per Milliliter | A unit for semiquantitative measurement of IgM autoantibodies to proteins associated with negatively charged phospholipids evaluated against an established reference standard, per unit of volume equal to one milliliter.   | Immunoglobulin M Phospholipid Unit per Milliliter |

| C71620 UNIT |                        |   |  |                             |
|-------------|------------------------|---|--|-----------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym   | CDISC Definition   | NCI Preferred Term          |
| C41140      | msec                   | Millisecond   | A unit of time, which is equal to one thousandth of a second.(NCI)   | Millisecond                 |
| C122215     | mU/g                   |   | An arbitrary unit of substance content expressed in milliunit(s) per gram.   | Milliunit per Gram          |
| C67408      | mU/L                   | uU/mL   | An arbitrary unit of substance concentration equal to the concentration at which one liter of mixture contains one thousandth of a unit of a substance.  | Microunit per Milliliter    |
| C67324      | mV                     | Millivolt   | A unit of electric potential and electromotive force equal to one thousandth of a volt.(NCI)   | Millivolt                   |
| C105512     | mV*min                 | Millivolt * Minutes   | A SI derived unit of magnetic flux, equal to the flux that produces in a circuit of one turn an electromotive force of one millivolt, when the flux is uniformly reduced to zero within one minute. (NCI)  | Millivolt Minute            |
| C122216     | mV/sec                 | uV/msec   | A SI derived rate unit equal to one millivolt per unit of time equal to one second.  | Millivolt per Second        |
| C114241     | mV2/Hz                 | Millivolt Squared per Hertz;Millivolt^2/Hertz   | A unit equal to one thousandth of a volt squared per unit of frequency equal to one Hertz.   | Millivolt Squared per Hertz |
| C67352      | nCi                    | Nanocurie   | A unit of radioactivity equal to one billionth of Curie or 37 Becquerels, and corresponding to a radioactivity of 37 atomic disintegrations per second.(NCI)   | Nanocurie                   |
| C71204      | NEBULE                 | Nebule Dosing Unit  | A unit of measurement based on the nebule dosing unit.(NCI)  | Nebule Dosing Unit          |
| C101687     | NEEDLE GAUGE           |   | A number representing the outer diameter of a needle. (NCI)  | Needle Gauge                |
| C42546      | Newton                 | Newton  | A unit of force which, when applied in a vacuum to a body having a mass of one kilogram, causes an acceleration of one meter per second squared. It is equal to 10E5 dynes.(NCI)   | Newton                      |
| C48516      | ng                     | Nanogram  | A unit of mass equal to one billionth (10E-9) of a gram, or one millionth (10E-6) of a milligram.(NCI)   | Nanogram                    |
| C67326      | ng/dL                  | Nanogram per Deciliter  | A unit of mass concentration defined as the concentration of one nanogram of a substance in unit volume of the mixture equal to one deciliter. The concept also refers to the unit of mass density (volumic mass) defined as the density of substance which mass equal to one nanogram occupies the volume one deciliter.(NCI) | Nanogram per Deciliter      |
| C67327      | ng/L                   | Microgram per Cubic Meter;ng/L;pg/mL;ug/m3  | A unit of concentration or mass density equal to one picogram of substance per milliliter of solution or one nanogram of substance per liter of solution.  | Nanogram per Liter          |
| C77535      | NIU                    | Normalized Fluorescence Intensity Unit;Normalized Intensity Unit;Relative Fluorescence Intensity Unit;Relative Intensity Unit | A unit of measurement that estimates the size or amount of material in a sample by normalizing its luminescence to that of a reference standard. (NCI)   | Relative Fluorescence Unit  |
| C70508      | nkat                   | Nanokatal   | A unit of catalytic activity measurement equal to one billionth of one katal (10E-9 katal).(NCI)   | Nanokatal                   |

| C71620 UNIT |                        |   |   |   |
|-------------|------------------------|---|---|---|
| NCI Code    | CDISC Submission Value | CDISC Synonym                                     | CDISC Definition  | NCI Preferred Term                              |
| C70510      | nkat/L                 | Nanokatal per Liter                               | A unit of catalytic activity concentration defined as the catalytic activity of the component equal to one billionth of one katal (10E-9 katal) in the unit volume of the system equal to one liter.(NCI)   | Nanokatal per Liter                             |
| C69188      | nL                     | Nanoliter   | A unit of volume equal to one billionth of a liter (10E-9 liter).(NCI)  | Nanoliter                                       |
| C67328      | nm                     | Nanometer   | A unit of length equal to one billionth of a meter (10E-9 meter). Nanometer is used as a unit for light wavelength measurement.(NCI)  | Nanometer                                       |
| C48517      | nmol                   | Nanomole  | A unit of amount of substance equal to one billionth (10E-9) of a mole.(NCI)  | Nanomole  |
| C117974     | nmol BCE/L             | Nanomoles Bone Collagen Equivalents per Liter     | A unit of relative amount of substance concentration equal to nanomoles of bone collagen equivalent weight per unit of volume equal to one liter.   | Nanomole Bone Collagen Equivalent per Liter     |
| C118137     | nmol BCE/mmol          | Nanomoles Bone Collagen Equivalents per Millimole | A unit of relative amount of substance concentration equal to nanomoles of bone collagen equivalent weight per unit of substance concentration equal to one millimole.  | Nanomole Bone Collagen Equivalent per Millimole |
| C122217     | nmol BCE/nmol          | Nanomoles Bone Collagen Equivalents per Nanomole  | A unit of relative amount of substance concentration equal to nanomoles of bone collagen equivalent weight per unit of substance concentration equal to one nanomole.   | Nanomole Bone Collagen Equivalents per Nanomole |
| C85751      | nmol/day               | nmol/d  | Nanomoles per day.  | Nanomole per Day                                |
| C85752      | nmol/g                 | nmol/g;pmol/mg;umol/kg                            | Nanomoles per gram.   | Nanomole per Gram                               |
| C67432      | nmol/L                 | Nanomole per Liter;pmol/mL                        | A unit of concentration (molarity unit) equal to one nanomole of solute per liter of solution.  | Nanomole per Liter                              |
| C122218     | nmol/L/h               | pmol/mL/h   | A rate unit expressed in nanomole(s) per liter of solution per period of time equal to sixty minutes.   | Nanomole per Liter per Hour                     |
| C122219     | nmol/L/min             | nmol*min/L;pmol/mL/min                            | A rate unit equal to the number of nanomoles per unit of volume equal to one liter per unit of time equal to one minute.  | Nanomole per Liter per Minute                   |
| C92613      | nmol/mL/min            | Nanomole per Milliliter per Minute                | A unit of concentration (molarity unit) equal to one billionth of a mole (10E-9 mole) of solute in one milliliter of solution to be administered per minute of time.  | Nanomole per Minute per Milliliter              |
| C122220     | nmol/mol               | pmol/mmol   | A unit of fraction expressed as the ratio of the amount of a substance in solution, in nanomoles, to the amount of a different substance in the mixture, in moles.  | Nanomole per Mole                               |
| C73767      | nsec                   | Nanosecond  | A unit of time equal to one billionth of a second. (NCI)  | Nanosecond                                      |
| C105513     | nU/cL                  | Nanounit per Centiliter                           | An arbitrary unit of substance content expressed in nanounit(s) per centiliter. (NCI)   | Nanounit Per Centiliter                         |
| C42554      | ohm                    | Ohm   | A unit of electrical resistance equal to the resistance between two points on a conductor when a potential difference of one volt between them produces a current of one Ampere. Ohm is also used to measure impedance and reactance for complex resistance. A measurement in ohms is the reciprocal of a measurement in Siemens. (NCI) | Ohm   |

| C71620 UNIT |                        |                                      |   |                                    |
|-------------|------------------------|--------------------------------------|---|------------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                        | CDISC Definition  | NCI Preferred Term                 |
| C67330      | osm                    | Osmole                               | A unit of osmotic pressure equal to that of an ideal solution of a nondissociating substance that has a concentration of one mole of solute per liter of solution.(NCI)   | Osmole                             |
| C48519      | oz                     | Ounce                                | A unit of mass, the avoirdupois ounce is equal to 1/16 pound, or 28.3495 grams, or 0.911 457 troy ounce.(NCI)   | Ounce                              |
| C74924      | PA                     | /Year;Every Year;Per Annum;Per Year  | A frequency rate of occurrences of something within a period of time equal to three hundred sixty-five days.  | Per Year                           |
| C42547      | Pa                     | Pascal                               | A unit of pressure equivalent to one Newton per square meter or 10 bars or to 1.45x10(E-4) pounds per square inch.(NCI)   | Pascal                             |
| C62653      | PACK                   |                                      | A number of individual items packaged as a unit.  | Pack Dosage Form                   |
| C73993      | Pack Year              |                                      | A quantification of lifetime tobacco exposure defined as (number of cigarettes smoked per day x number of years smoked)/20. One pack-year is smoking 20 cigarettes a day for one year.  | Pack Year                          |
| C48520      | PACKAGE                | Pack Dosing Unit;Package Dosing Unit | A dosing measurement based on the package unit.(NCI)  | Package Dosing Unit                |
| C48521      | PACKET                 | Packet Dosing Unit                   | A dosing measurement based on the packet unit.(NCI)   | Packet Dosing Unit                 |
| C48524      | PATCH                  | Patch Dosing Unit                    | A dosing measurement based on the patch unit.(NCI)  | Patch Dosing Unit                  |
| C48525      | PELLET                 | Pellet Dosing Unit                   | A dosing measurement based on the pellet unit.(NCI)   | Pellet Dosing Unit                 |
| C67264      | PFU                    | Plaque Forming Unit                  | A measure of viable infectious entities (e.g. viral particle or group of particles) in the specimen or product defined as the smallest quantity that can produce a cytopathic effect in the host cell culture challenged with the defined inoculum, visible under the microscope or/and to the naked eye as a plaque. A number of plaque forming units (PFU) per unit volume is a conventional way to refer the titer of an infective entity in a specimen or preparation.(NCI) | Plaque Forming Unit                |
| C122221     | PFU/animal             |                                      | A unit of measure expressed in plaque forming unit(s) per animal.   | Plaque Forming Units per Animal    |
| C71198      | PFU/dose               | Plaque Forming Unit per Dose         | A unit of potency of a biological product expressed as a quantity of viable infectious entities capable to produce a cytopathic effect in the appropriate cell culture per a single dose of the preparation.(NCI)   | Plaque Forming Unit per Dose       |
| C71199      | PFU/mL                 | Plaque Forming Unit per Milliliter   | A unit of potency of a biological product expressed as a quantity of viable infectious entities capable to produce a cytopathic effect in the appropriate cell culture per one milliliter of the preparation.(NCI)  | Plaque Forming Unit per Milliliter |
| C64551      | pg                     | Picogram                             | A unit of mass equal to one trillionth of a gram (10E-12 gram).(NCI)  | Picogram                           |
| C67331      | pg/dL                  | Picogram per Deciliter               | Picograms per deciliter.  | Picogram per Deciliter             |
| C85597      | pg/L                   | fg/mL;pg/L                           | A unit of concentration or mass density equal to one femtogram of substance per milliliter of solution or one picogram of substance per liter of solution.  | Femtogram per Milliliter           |

| C71620 UNIT |                        |   |   |   |
|-------------|------------------------|---|---|---|
| NCI Code    | CDISC Submission Value | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term                              |
| C127810     | PHERESIS UNIT          |   | An arbitrary unit of substance concentration equal to the yield from a blood pheresis procedure.  | Pheresis Unit                                   |
| C116246     | PIPE                   | Pipe Dosing Unit                                    | A dosing measurement based on the pipe unit.  | Pipe Dosing Unit                                |
| C48367      | PIXEL                  |   | The smallest resolvable rectangular area of an image, either on a screen or stored in memory. (NCI)   | Pixel   |
| C114238     | PIXELS/cm              | PPCM;Pixels per Centimeter                          | A unit of image resolution expressed in the numbers of pixels per centimeter in the horizontal or vertical direction.   | Pixels per Centimeter                           |
| C114239     | PIXELS/in              | PPI;Pixels per Inch                                 | A unit of image resolution expressed in the numbers of pixels per inch in the horizontal or vertical direction.   | Pixels per Inch                                 |
| C70509      | pkat                   | Picokatal   | A unit of catalytic activity measurement equal to trillionth of one katal (10E-12 katal).(NCI)  | Picokatal                                       |
| C122222     | pkat/L                 | Picokatal per Liter                                 | Unit of catalytic activity concentration defined as activity equal to a picokatal per one liter of the system volume.   | Picokatal per Liter                             |
| C69189      | pL                     | Picoliter   | A unit of volume equal to one trillionth of a liter (10E-12 liter). (NCI)   | Picoliter                                       |
| C69148      | pm                     | Picometer   | A unit of length equal to one trillionth of a meter (10E-12 meter).(NCI)  | Picometer                                       |
| C65045      | pmol                   | Picomole  | A unit of amount of substance equal to a trillionth (10E-12) of a mole.(NCI)  | Picomole  |
| C122223     | pmol/10^10 cells       |   | A unit of concentration (molarity unit) equal to one picomole of substance per 10^10 cells.   | Picomole per Ten Billion Cells                  |
| C122224     | pmol/10^9 cells        |   | A unit of concentration (molarity unit) equal to one picomole of substance per 10^9 cells.  | Picomole per Billion Cells                      |
| C122225     | pmol/day               | Picomoles per Day;pmol/d                            | A unit of amount of substance flow rate equivalent to the rate at which one picomole of substance travels to a given object or space over a period of time equal to 24 hours. | Picomole per Day                                |
| C122226     | pmol/dL                | Picomoles per Deciliter                             | A unit of concentration (molarity unit) equal to one picomole of solute per deciliter of solution.  | Picomole per Deciliter                          |
| C85754      | pmol/g                 | nmol/kg;pmol/g                                      | Nanomoles per kilogram or picomoles per gram.   | Nanomole per Kilogram                           |
| C67434      | pmol/L                 | Femtomole per Milliliter;Picomole per Liter;fmol/mL | A unit of concentration (molarity unit) equal to one picomole of solute per liter of solution.  | Picomole per Liter                              |
| C122227     | pmol/L/h               | Picomoles per Liter per Hour                        | A rate unit expressed in picomole(s) per liter of solution per period of time equal to sixty minutes.   | Picomole per Liter per Hour                     |
| C116236     | PNU/mL                 | Protein Nitrogen Unit per Milliliter                | Unit of measure of potency of an allergenic product expressed as a number of protein nitrogen units per one milliliter of formulation.  | Allergenic Protein Nitrogen Unit per Milliliter |
| C113499     | POINT                  |   | A numeric unit used to quantify a score.  | Point   |
| C48530      | POUCH                  | Pouch Dosing Unit                                   | A dosing measurement based on the pouch unit.(NCI)  | Pouch Dosing Unit                               |
| C70565      | ppb                    | Part per Billion                                    | A unit of measure referring to one entity counted per one billion entities.(NCI)  | Part Per Billion                                |

| C71620 UNIT |                        |                            |  |                         |
|-------------|------------------------|----------------------------|--|-------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym              | CDISC Definition   | NCI Preferred Term      |
| C48523      | ppm                    | Part per Million           | A unit of measurement referring to one entity counted per one million entities.(NCI)   | Part Per Million        |
| C69112      | ppth                   | Part per Thousand          | A unit of proportion equal to 10E-3.(NCI)  | Part per Thousand       |
| C70566      | pptr                   | Parts per Trillion         | A unit of measure referring to one entity counted per one trillion entities.(NCI)  | Part Per Trillion       |
| C48532      | PRESSOR UNITS          | Pressor Unit               | A dosing measurement based on the pressor unit.(NCI)   | Pressor Unit            |
| C73768      | psec                   | Picosecond                 | A unit of time equal to one trillionth of a second. (NCI)  | Picosecond              |
| C67334      | psi                    | Pounds per Square Inch     | A unit of pressure equivalent to 6.894757 kilopascals, or 703.0696 kilograms per square meter, or 51.71507 millimeters of mercury.(NCI)  | Pound per Square Inch   |
| C69114      | pt_br                  | British Pint;Imperial Pint | A traditional unit of volume equal to 20 British fluid ounces, 34.678 cubic inches or approximately 568.261 milliliters.   | Pint British            |
| C48529      | pt_us                  | US Pint                    | A United States liquid unit equal to 16 US fluid ounces or 28.875 cubic inches or approximately 473.177 milliliters.   | Pint                    |
| C65060      | PUFF                   | Puff Dosing Unit           | A means of delivering a defined dose of a therapeutic aerolized solution into either the upper or lower respiratory tract. Metered-dose inhalers or spray pumps are devices that provide a puff dose for delivery into either the oral or the nasal cavity.(NCI)   | Puff Dosing Unit        |
| C48590      | QUANTITY SUFFICIENT    | Quantity Sufficient        | A quantity of an ingredient or product needed to bring up a volume or weight of the preparation to a final amount as it is indicated in the prescription; also refers to a determination of an adequate supply of medicine to fulfill either a prescribed amount or a sufficient quantity to provide treatment over a specified time frame.(NCI) | Quantity Sufficient     |
| C18064      | Rad                    | Rad                        | The special unit for absorbed radiation dose, which is the amount of energy from any type of ionizing radiation (e.g., alpha, beta, gamma, neutrons, etc.) deposited in any medium (e.g., water, tissue, air). A dose of one rad means the absorption of 100 ergs per gram of absorbing tissue. One rad is equal to 0.01 gray.(NCI)              | Rad                     |
| C44256      | RATIO                  |                            | A unit of measurement for the quotient of the amount of one entity to another.   | Ratio                   |
| C62609      | RING                   | Ring Dosing Unit           | A dosing measurement based on the ring unit.(NCI)  | Ring Dosing Unit        |
| C67441      | RNA copies/mL          | RNA Copies per Milliliter  | The unit of concentration of Ribonucleic Acid (RNA) copies expressed as a number of copies in unit volume equal to one milliliter.(NCI)  | RNA Copy per Milliliter |
| C70575      | Roentgen               | Roentgen                   | A unit of exposure to ionizing radiation. One Roentgen is the amount of gamma or x-rays required to produce ions resulting in a charge of 2.58E-4 Coulombs/kilogram of air under standard conditions.(NCI)   | Roentgen                |



| C71620 UNIT |                          |   |   |   |
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| NCI Code    | CDISC Submission Value   | CDISC Synonym                                       | CDISC Definition  | NCI Preferred Term  |
| C70469      | rpm                      | Revolution per Minute                               | A unit of frequency equal to one revolution per unit of time equal to one minute.(NCI)  | Revolution per Minute   |
| C71324      | SACHET                   | Sachet dosing unit                                  | A dosing unit that contains a solid pharmaceutical preparation in the form of a small packet or bag made from a flexible, often porous material.(NCI)   | Sachet Dosing Unit  |
| C116233     | SBE/mL                   | Standardized Biological Unit per Milliliter         | Unit of measure of potency of allergenic product expressed as a number of standardized biological units per one milliliter of formulation.  | Standardized Allergy Biological Unit per Milliliter               |
| C68858      | scm                      | Standard Cubic Meter                                | A unit used in physical chemistry to express the amount of substance of an ideal gas in one cubic meter at standard conditions: temperature 273.15 K and pressure of one atmosphere (101.325 kilopascals).(NCI)   | Standard Cubic Meter  |
| C48536      | SCOOPFUL                 | Scoopful Dosing Unit                                | A dosing measurement based on the scoopful unit.(NCI)   | Scoopful Dosing Unit  |
| C42535      | sec                      | Second  | The second is a unit of time with a duration of 919 263 177 0 periods of the specified light radiation corresponding to the transition between the two hyperfine levels of the cesium 133 atom in its ground state at 0 K. According to the convention, 60 seconds constitute one minute; 3,600 seconds constitute one hour. Abbreviation Sec. is acceptable in non-scientific usage only.(NCI) | Second  |
| C120850     | SFC/10 <sup>6</sup> PBMC | SFU/10 <sup>6</sup> PBMC;Spots/10 <sup>6</sup> PBMC | A unit of activity of cell-mediated immunity expressed as a quantity of spot forming cells per million peripheral blood mononuclear cells.  | Spot Forming Units Per Million Peripheral Blood Mononuclear Cells |
| C112433     | Shock Wave               | Shockwave Dosing Unit                               | A dosing measurement based on the shock wave unit.  | Shockwave Dosing Unit   |
| C42555      | Siemens                  | Siemens   | A unit of electrical conductance, admittance, and susceptance. A conductor has a conductance of one Siemens if an electrical potential difference of one volt produces a one Ampere current in it. The conductance in Siemens is the reciprocal of its resistance in ohms.(NCI)   | Siemens   |
| C48537      | SPRAY                    | Spray Dosing Unit                                   | A dosing measurement based on the spray unit.(NCI)  | Spray Dosing Unit   |
| C116234     | SQU/mL                   | Standardized Quality Unit per Milliliter            | Unit of measure of potency of allergenic product expressed as a number of standardized quality units per one milliliter of formulation.   | Standardized Allergy Quality Unit per Milliliter                  |
| C111318     | STEPS                    |   | A unit of measure to quantify the number of strides taken during a normal walking gait.   | Step Unit of Distance   |
| C48538      | STRIP                    | Strip Dosing Unit                                   | A dosing measurement based on the strip unit.(NCI)  | Strip Dosing Unit   |
| C48539      | SUPPOSITORY              | Suppository Dosing Unit                             | A dosing measurement based on the suppository unit.(NCI)  | Suppository Dosing Unit   |

| C71620 UNIT |                        |   |  |   |
|-------------|------------------------|---|--|---|
| NCI Code    | CDISC Submission Value | CDISC Synonym                                     | CDISC Definition   | NCI Preferred Term                                |
| C42553      | Sv                     | Sievert   | A unit of equivalent radiation dose. One Sv is received when the actual absorbed dose of ionizing radiation, after being multiplied by the dimensionless factors Q (the relative biological efficiency or quality factor) and N (the product of any other multiplying factors that takes into account the distribution of energy throughout the dose), is one joule per kilogram. In this scheme, the relationship between the absorbed dose of radiation D and the dose equivalent H is, therefore, given by $H = QND$ . Both Q and N are stipulated by the International Commission on Radiological Protection. One Sv is equal to 100 rem.(NCI) | Sievert   |
| C48540      | SYRINGE                | Syringe Dosing Unit                               | A dosing measurement based on the syringe unit.(NCI)   | Syringe Dosing Unit                               |
| C48542      | TABLET                 | Tablet Dosing Unit;tab                            | A dosing measurement based on the tablet unit.(NCI)  | Tablet Dosing Unit                                |
| C48543      | TAMPON                 | Tampon Dosing Unit                                | A dosing measurement based on the tampon unit.(NCI)  | Tampon Dosing Unit                                |
| C48541      | Tbsp                   | Tablespoon Dosing Unit                            | A unit of volume informally used in pharmacy. The tablespoon has been standardized at 15 milliliters in US, Britain, Canada, and New Zealand, and at 20 milliliters in Australia and some European countries.(NCI)   | Tablespoon Dosing Unit                            |
| C70537      | TCID 50/dose           | 50 Percent Tissue Culture Infective Dose per Dose | A potency unit equal to the potency at which one dose of preparation contains one 50 percent tissue culture infective dose.(NCI)   | 50 Percent Tissue Culture Infective Dose per Dose |
| C42557      | Tesla                  | Tesla   | A unit of magnetic flux density equal to the magnitude of the magnetic field vector necessary to produce a force of one Newton on a charge of one coulomb moving perpendicular to the direction of the magnetic field vector with a velocity of one meter per second. It is equivalent to one Weber per square meter.(NCI)   | Tesla   |
| C67454      | titer                  |   | Concentration of a substance in a solution as determined by the quantitative reaction with added measured volume(s) of a solution of the precisely known concentration(s) of a standard reagent.   | Titer   |
| C112423     | Torr                   | Torr  | A non-SI manometric unit of pressure equal to 1/760 of a standard atmosphere (a standard atmosphere being defined as equal to 101325 pascals). One Torr is equal to 133.3223684 pascals.   | Torr  |
| C48547      | TRACE                  | Trace Dosing Unit                                 | An extremely small amount.(NCI)  | Trace Dosing Unit                                 |
| C124460     | TRANSDUCING UNIT       |   | A unit of biological activity described as the number of viral particles in solution that are capable of infecting a cell and stimulating expression of a transgene.   | Transducing Unit                                  |
| C124461     | TRANSDUCING UNIT/mL    |   | Unit of measure of potency expressed as a number of transducing units per one milliliter of solution.  | Transducing Unit per Milliliter                   |
| C48548      | TROCHE                 | Troche Dosing Unit                                | A dosing measurement based on the troche unit.(NCI)  | Troche Dosing Unit                                |
| C48544      | tsp                    | Teaspoon Dosing Unit                              | A unit of volume used in pharmacy equal to 5 milliliters.(NCI)   | Teaspoon Dosing Unit                              |
| C48549      | TUBE                   | Tube Dosing Unit                                  | A dosing measurement based on the tube unit.(NCI)  | Tube Dosing Unit                                  |

| C71620 UNIT |                        |                                |  |                                   |
|-------------|------------------------|--------------------------------|--|-----------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                  | CDISC Definition   | NCI Preferred Term                |
| C65132      | tuberculin unit        | Tuberculin Unit                | An arbitrary unit of tuberculin dosage defined by comparison of clinical response with a preparation of the purified protein derivative standardized for use in humans for tuberculin skin test reaction.(NCI)                                       | Tuberculin Unit                   |
| C70506      | tuberculin unit/mL     | Tuberculin Unit per Milliliter | A unit of biologic activity of tuberculin expressed as a number of arbitrary units of tuberculin in one milliliter of preparation.(NCI)  | Tuberculin Unit per Milliliter    |
| C44278      | U                      | Unit                           | A single undivided thing occurring in the composition of something else.   | Unit                              |
| C120851     | U.CARR                 | CARR U;Carratelli Unit         | An arbitrary unit of substance concentration expressed in milligrams per a volume of hydrogen peroxide. One Carratelli unit is equal to 0.8mg substance per liter of hydrogen peroxide.  | Carratelli Unit                   |
| C122228     | U/10 <sup>12</sup> RBC |                                | An arbitrary unit of substance content expressed in units of biological activity per 10 <sup>12</sup> red blood cells.   | Unit per Trillion Red Blood Cells |
| C73773      | U/animal               | Unit per Animal                | An arbitrary dosing unit expressed in unit(s) per animal. (NCI)  | Unit per Animal                   |
| C105520     | U/cL                   | Unit per Centiliter            | An arbitrary unit of substance content expressed in unit(s) per centiliter.  | Unit Per Centiliter               |
| C105521     | U/dL                   | Unit per Deciliter             | An arbitrary unit of substance content expressed in unit(s) per deciliter.   | Unit Per Deciliter                |
| C77606      | U/g                    | Unit per Gram                  | An arbitrary unit of substance content expressed in unit(s) per gram. (NCI)  | Unit per Gram                     |
| C73774      | U/g/day                | Unit per Gram per Day          | An arbitrary unit of substance rate expressed in unit(s) per gram per period of time equal to twenty-four hours. (NCI)   | Unit per Gram per Day             |
| C73775      | U/g/h                  | Unit per Gram per Hour         | An arbitrary unit of substance rate expressed in unit(s) per gram per period of time equal to sixty minutes. (NCI)   | Unit per Gram per Hour            |
| C73776      | U/g/min                | Unit per Gram per Minute       | An arbitrary unit of substance rate expressed in unit(s) per gram per period of time equal to sixty seconds. (NCI)   | Unit per Gram per Minute          |
| C67465      | U/kg                   | Unit per Kilogram              | An arbitrary unit of substance content expressed in units of biological activity per unit of mass equal to one kilogram. Unit per kilogram is also used as a dose calculation unit expressed in arbitrary units per one kilogram of body mass. (NCI) | Unit per Kilogram                 |
| C73777      | U/kg/day               | Unit per kilogram per Day      | An arbitrary unit of substance rate expressed in unit(s) per kilogram per period of time equal to twenty-four hours. (NCI)   | Unit per Kilogram per Day         |
| C73778      | U/kg/h                 | Unit per Kilogram per Hour     | An arbitrary unit of substance rate expressed in unit(s) per kilogram per period of time equal to sixty minutes. (NCI)   | Unit per Kilogram per Hour        |
| C73779      | U/kg/min               | Unit per Kilogram per Minute   | An arbitrary unit of substance rate expressed in unit(s) per kilogram per period of time equal to sixty seconds. (NCI)   | Unit per Kilogram per Minute      |

| C71620 UNIT |                        |  |   |                                  |
|-------------|------------------------|--|---|----------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition  | NCI Preferred Term               |
| C67456      | U/L                    | Unit per Liter;mU/mL   | An arbitrary unit of substance concentration equal to the concentration at which one liter of mixture contains one unit of a substance. (NCI)   | Unit per Liter                   |
| C67467      | U/m2                   | Unit per Square Meter  | A unit expressed as a number of arbitrary units of substance per one square meter of a body surface area.   | Unit per Square Meter            |
| C73783      | U/m2/day               | Unit per Square Meter per Day                                  | An arbitrary unit of substance rate expressed in unit(s) per square meter per period of time equal to twenty-four hours. (NCI)  | Unit per Square Meter per Day    |
| C73784      | U/m2/h                 | Unit per Square Meter per Hour                                 | An arbitrary unit of substance rate expressed in unit(s) per square meter per period of time equal to sixty minutes. (NCI)  | Unit per Square Meter per Hour   |
| C73785      | U/m2/min               | Unit per Square Meter per Minute                               | An arbitrary unit of substance rate expressed in unit(s) per square meter per period of time equal to sixty seconds. (NCI)  | Unit per Square Meter per Minute |
| C73780      | U/mg                   | Unit per Milligram   | An arbitrary unit of substance content expressed in unit(s) per milligram. (NCI)  | Unit per Milligram               |
| C77607      | U/mL                   | Unit per Milliliter  | An arbitrary unit of substance content expressed in unit(s) per milliliter. (NCI)   | Unit per Milliliter              |
| C92618      | U/mmol                 | Unit per Millimole   | An arbitrary unit of substance concentration equal to the concentration at which one millimole of a mixture contains one unit of a substance. (NCI)                                       | Unit per Millimole               |
| C48507      | uCi                    | Microcurie;mcCi  | A unit of radioactivity equal to one millionth of a Curie or 37 kilobecquerels, and corresponding to a radioactivity of 37 000 atomic disintegrations per second.(NCI)                    | Microcurie                       |
| C70571      | uCi/kg                 | Microcurie per Kilogram;mcCi/kg                                | A unit of specific radioactivity (massic activity) equal to activity of one microcurie of the sample with total mass of one kilogram.(NCI)  | Microcurie per Kilogram          |
| C71173      | uCi/L                  | Microcurie per Liter;mcCi/L                                    | A unit of volumetric radioactivity concentration defined as a concentration of a radionuclide with an activity equal to one millionth of a Curie per unit volume equal to one liter.(NCI) | Microcurie per Liter             |
| C73726      | uEq                    | Microequivalent  | A unit of relative amount of a substance equal to one millionth of an equivalent weight.(NCI)   | Microequivalent                  |
| C117975     | uEq/L                  | Microequivalent per Liter;Nanoequivalent per Milliliter;nEq/mL | A concentration unit measured as a number of microequivalents of solute per liter of solution.  | Microequivalent per Liter        |
| C48152      | ug                     | Microgram;mcg  | The unit of mass equal to one millionth of a gram or one thousandth of a milligram.(NCI)  | Microgram                        |
| C73728      | ug/animal              | Microgram per Animal   | A unit of measure expressed in microgram(s) per animal.   | Microgram per Animal             |
| C67311      | ug/cm2                 | mcg/cm2  | A unit of area density defined as a spread rate at which one microgram of a substance is spread over the area of one square centimeter. The unit is also used as a dose calculation unit. | Microgram per Square Centimeter  |

| C71620 UNIT |                        |  |  |                                    |
|-------------|------------------------|--|--|------------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym  | CDISC Definition   | NCI Preferred Term                 |
| C71205      | ug/day                 | Microgram per Day;mcg/day  | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to twenty four hours.<br>Microgram per day is also a dose administration rate unit equal to the rate at which one millionth of a gram of a product is administered per unit of time equal to twenty four hours.(NCI) | Microgram per Day                  |
| C67305      | ug/dL                  | Microgram per Deciliter  | A unit of mass concentration defined as the concentration of one microgram of a substance per unit volume of the mixture equal to one deciliter. The concept also refers to the unit of mass density (volumic mass) defined as the density of substance which mass equal to one microgram occupies the volume one deciliter. (NCI)   | Microgram per Deciliter            |
| C124462     | ug/dose                |  | A unit of measure expressed in microgram(s) per dose.  | Microgram per Dose                 |
| C74921      | ug/g/day               | Microgram per Gram per Day   | A dose calculation unit expressed in microgram(s) per gram per period of time equal to twenty-four hours. (NCI)  | Microgram per Gram per Day         |
| C74922      | ug/g/h                 | Microgram per Gram per Hour  | A dose calculation unit expressed in microgram(s) per gram per period of time equal to sixty minutes. (NCI)  | Microgram per Gram per Hour        |
| C74923      | ug/g/min               | Microgram per Gram per Minute  | A dose calculation unit expressed in microgram(s) per gram per period of time equal to sixty seconds. (NCI)  | Microgram per Gram per Minute      |
| C67394      | ug/h                   | Micrograms per Hour;mcg/h  | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to one hour.(NCI)  | Microgram per Hour                 |
| C67396      | ug/kg                  | Microgram per Kilogram;mcg/kg;ng/g;pg/mg;ug/kg   | A unit of a mass fraction expressed as a number of micrograms of substance per kilogram of mixture. The unit is also used as a dose calculation unit.(NCI)   | Microgram per Kilogram             |
| C73729      | ug/kg/day              | Microgram per Kilogram per Day   | A dose calculation unit expressed in microgram(s) per kilogram per period of time equal to twenty-four hours. (NCI)  | Microgram per Kilogram per Day     |
| C73730      | ug/kg/h                | Microgram per Kilogram per Hour  | A dose calculation unit expressed in microgram(s) per kilogram per period of time equal to sixty minutes. (NCI)  | Microgram per Kilogram per Hour    |
| C71210      | ug/kg/min              | Gamma per Kilogram per Minute;Microgram per Kilogram per Minute;gamma/kg/min;mcg/kg/min      | A dose calculation unit equal to one millionth of a gram of a preparation per one kilogram of body mass administered per unit of time equal to one minute.(NCI)  | Microgram per Kilogram per Minute  |
| C67306      | ug/L                   | Microgram per Liter;Milligram per Cubic Meter;Nanogram per Milliliter;mcg/L;mg/m3;ng/mL;ug/L | A unit of concentration or mass density equal to one nanogram of substance per milliliter of solution or one microgram of substance per liter of solution.   | Microgram per Liter                |
| C122229     | ug/L/h                 | ng/mL/h  | A rate unit equal to the number of micrograms per unit of volume equal to one liter per unit of time equal to one hour.  | Microgram per Liter per Hour       |
| C67312      | ug/m2                  | Microgram per Square Meter   | A dose calculation unit expressed in microgram(s) per square meter.  | Microgram per Square Meter         |
| C73787      | ug/m2/day              | Microgram per Square Meter per Day   | A dose calculation unit expressed in microgram(s) per square meter per period of time equal to twenty-four hours. (NCI)  | Microgram per Square Meter per Day |

| C71620 UNIT |                        |                                       |  |  |
|-------------|------------------------|---------------------------------------|--|--|
| NCI Code    | CDISC Submission Value | CDISC Synonym                         | CDISC Definition   | NCI Preferred Term                     |
| C73727      | ug/m2/h                | Microgram per Square Meter per Hour   | A dose calculation unit expressed in microgram(s) per square meter per period of time equal to sixty minutes. (NCI)  | Microgram per Square Meter per Hour    |
| C73733      | ug/m2/min              | Microgram per Square Meter per Minute | A dose calculation unit expressed in microgram(s) per square meter per period of time equal to sixty seconds. (NCI)  | Microgram per Square Meter per Minute  |
| C71211      | ug/min                 | Micrograms per Minute;mcg/min         | A unit of mass flow rate equivalent to the rate at which one millionth of a gram of matter travels to a given object or space over a period of time equal to one minute. Microgram per minute is also a dose administration rate unit equal to the rate at which one millionth of a gram of a product is administered per unit of time equal to one minute.(NCI) | Microgram per Minute                   |
| C75905      | ug/mL/h                | Microgram per Milliliter per Hour     | A dose calculation unit expressed in microgram(s) per milliliter of solution per period of time equal to sixty minutes. (NCI)  | Microgram per Milliliter per Hour      |
| C105497     | ugEq                   | Microgram Equivalent                  | A unit of relative amount of substance concentration equal to one millionth of a gram of an equivalent weight. (NCI)   | Microgram Equivalent                   |
| C122230     | ugeq/L                 | ngeq/mL                               | A concentration unit measured as a number of microgram equivalent of solute per liter of solution.   | Microgram Equivalent per Liter         |
| C124463     | uIU/dL                 |                                       | A unit of concentration (biologic activity) equal to one micro-international unit of substance per deciliter of solution.  | Micro-International Unit per Deciliter |
| C124464     | uIU/L                  |                                       | A unit of concentration (biologic activity) equal to one micro-international unit of substance per liter of solution.  | Micro-International Unit per Liter     |
| C70562      | ukat                   | Microkatal;mckat                      | A unit of catalytic activity measurement equal to one millionth of katal (10E-6 katal).(NCI)   | Microkatal                             |
| C124465     | ukat/10^12 RBC         | mckat/10^12 RBC                       | Unit of catalytic activity concentration defined as activity equal to one millionth of katal per 10^12 erythrocytes.   | Microkatal per Trillion Erythrocytes   |
| C67397      | ukat/L                 | Microkatal per Liter;mckat/L          | Unit of catalytic activity concentration defined as activity equal to one millionth of katal per one liter of the system volume.(NCI)  | Microkatal per Liter                   |
| C48153      | uL                     | Microliter;mCL;mm3                    | A unit of volume accepted for use with the SI and equal to one millionth of a liter (10E-6 liter).(NCI)  | Microliter                             |
| C124466     | uL/dose                |                                       | A unit of measure expressed in microliter(s) per dose.   | Microliter per Dose                    |
| C69175      | uL/mL                  | Microliter per Milliliter;mL/L;mCL/mL | A unit of volume fraction expressed as a number of microliters of the constituent per the volume of the system represented in milliliters.(NCI)  | Microliter per Milliliter              |
| C48510      | um                     | Micron;mcm                            | A unit of length in metric system equal to 10E-6 meter, or micrometer.(NCI)  | Micron                                 |
| C126081     | um/day                 |                                       | A unit of length equal to one micrometer per unit of time equal to one day.  | Micrometer per Day                     |
| C73770      | um2                    | MicroSquare Meter                     | A SI unit of area measurement equal to a square whose sides are one micrometer long. (NCI)   | Square Micrometer                      |

| C71620 UNIT |                        |                                    |   |                                    |
|-------------|------------------------|------------------------------------|---|------------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                      | CDISC Definition  | NCI Preferred Term                 |
| C48509      | umol                   | Micromole;mcmol                    | A unit of amount of substance equal to one millionth (10E-6) of a mole.(NCI)  | Micromole                          |
| C67406      | umol/day               | Micromoles per Day;mcmol/day       | A unit of amount of substance flow rate equivalent to the rate at which one millionth of a mole of substance travels to a given object or space over a period of time equal to 24 hours.(NCI)             | Micromole per 24 Hours             |
| C124467     | umol/h/mmol            |                                    | A unit of fraction expressed as the ratio of the number of micromoles of substance per unit of time equal to one hour, to the amount of a different substance, in millimoles.                             | Micromole per Hour per Millimole   |
| C126082     | umol/kg/min            |                                    | A unit of concentration (molarity unit) equal to one millionth of a mole (10E-6 mole) per kilogram of a substance per period of time equal to sixty seconds.  | Micromole per Kilogram per Minute  |
| C48508      | umol/L                 | Micromole per Liter                | A unit of concentration (molarity unit) equal to one micromole of solute per liter of solution.   | Micromole per Liter                |
| C124468     | umol/L/h               |                                    | A concentration unit equal to one micromole of solute in one liter of solution per unit of time equal to one hour.  | Micromole per Liter per Hour       |
| C120852     | umol/L/min             |                                    | A concentration unit equal to one micromole of solute in one liter of solution per unit of time equal to one minute.  | Micromole per Liter per Minute     |
| C105498     | umol/L/sec             | Micromoles per Liter per Second    | A concentration unit equal to one micromole of solute in one liter of solution per unit of time equal to one second. (NCI)  | Micromole Per Liter Per Second     |
| C73735      | umol/mg/min            | Micromole per Milligram per Minute | A unit of concentration (molarity unit) equal to one millionth of a mole (10E-6 mole) per milligram of a substance per period of time equal to sixty seconds. (NCI)                                       | Micromole per Milligram per Minute |
| C85708      | umol/min               | mcmol/min;umol/min                 | Micromoles per minute.  | Micromole per Minute               |
| C122231     | umol/mol               | nmol/mmol                          | A unit of fraction expressed as the ratio of the amount of a substance in solution, in micromoles, to the amount of a different substance in the mixture, in moles.                                       | Micromole per Mole                 |
| C73736      | uOsM                   | Microosmole                        | A unit of osmotic pressure equal to one millionth of an osmole or the osmotic pressure of a 10E-6 molar solution of a substance that does not dissociate. (NCI)   | Microosmole                        |
| C69149      | usec                   | Microsecond                        | A unit of time equal to one millionth of a second. (NCI)  | Microsecond                        |
| C124469     | uU/dL                  |                                    | An arbitrary unit of substance content expressed in microunit(s) per deciliter.   | Micro-Unit per Deciliter           |
| C124470     | uU/L                   |                                    | An arbitrary unit of substance content expressed in microunit(s) per liter.   | Micro-Unit per Liter               |
| C71175      | uV                     | Microvolt;mcV                      | A unit of an electric potential and electromotive force equal to one millionth of a volt.(NCI)  | Microvolt                          |
| C105499     | uV*sec                 | Microvolt * Seconds                | A SI derived unit of magnetic flux, equal to the flux that produces in a circuit of one turn an electromotive force of one microvolt, when the flux is uniformly reduced to zero within one second. (NCI) | Microvolt Second                   |

| C71620 UNIT |                        |                                     |   |                                |
|-------------|------------------------|-------------------------------------|---|--------------------------------|
| NCI Code    | CDISC Submission Value | CDISC Synonym                       | CDISC Definition  | NCI Preferred Term             |
| C42551      | V                      | Volt                                | A unit of electric potential and electromotive force, equal to the difference of electric potential between two points on a conducting wire carrying a constant current of one Ampere when the power dissipated between the points is one watt. This is equivalent to the potential difference across a resistance of one ohm when one Ampere of current flows through it.(NCI) | Volt                           |
| C105524     | V/sec                  | V/s;Volt per Second                 | A SI derived rate unit equal to one volt per unit of time equal to one second.  | Volt Per Second                |
| C67469      | v/v                    | volume fraction                     | Quotient of the volume of a substance and the total volume of the sample containing the substance.  | Volume Fraction                |
| C124471     | vg/dose                | Vector Genomes/dose                 | A unit for cloning vector amount expressed as the number of vector genomes per dose.  | Vector Genomes per Dose        |
| C124472     | vg/mL                  | Vector Genomes/mL                   | A unit for cloning vector concentration expressed as the number of vector genomes per milliliter.   | Vector Genomes per Milliliter  |
| C48551      | VIAL                   | Vial Dosing Unit                    | A dosing measurement based on the vial unit.(NCI)   | Vial Dosing Unit               |
| C114237     | VIRTUAL PIXEL          |                                     | A type of pixel created from overlying two adjacent real pixels to create an additional virtual image of a pixel that is visible to the human eye.  | Virtual Pixel                  |
| C124473     | vp/dose                | Viral Particles/dose                | A unit for virus amount expressed as the number of viral particles per dose.  | Viral Particles per Dose       |
| C124474     | vp/mL                  | Viral Particles/mL                  | A unit for virus concentration expressed as the number of viral particles per milliliter.   | Viral Particles per Milliliter |
| C48552      | WAFER                  | Wafer Dosing Unit                   | A dosing measurement based on the wafer unit.(NCI)  | Wafer Dosing Unit              |
| C42549      | Watt                   | Watt                                | A unit of power equal to the power which in one second produces or transfers the energy of one joule. The unit is used in measurements of power emitted, transferred or received as radiation, sound waves, heat flow rate, and rate of energy transfer. Equal to 1/746 of horsepower.(NCI)   | Watt                           |
| C42556      | Weber                  | V*sec;Volt Second;Volt-second;Weber | A unit of magnetic flux, equal to the flux that produces in a circuit of one turn an electromotive force of one volt, when the flux is uniformly reduced to zero within one second.(NCI)  | Weber                          |
| C29844      | WEEKS                  | Week                                | Any period of seven consecutive days. (NCI)   | Week                           |
| C48553      | yd                     | Yard                                | A unit of length equal to 3 feet, or 36 inches, or 0.9144 meter.(NCI)   | Yard                           |
| C29848      | YEARS                  | Year                                | The period of time that it takes for Earth to make a complete revolution around the sun, approximately 365 days; a specific one year period. (NCI)  | Year                           |



## VSRESU (Units for Vital Signs Results)

NCI Code: C66770, Codelist extensible: Yes

| C66770 VSRESU |                        |                           |  |                           |
|---------------|------------------------|---------------------------|--|---------------------------|
| NCI Code      | CDISC Submission Value | CDISC Synonym             | CDISC Definition   | NCI Preferred Term        |
| C25613        | %                      | Percentage                | A fraction or ratio with 100 understood as the denominator. (NCI)  | Percentage                |
| C49673        | beats/min              | Beats per Minute          | The number of heartbeats measured per minute time. (NCI)   | Beats per Minute          |
| C49674        | breaths/min            | Breaths per Minute        | The number of breaths (inhalation and exhalation) taken per minute time. (NCI)   | Breaths per Minute        |
| C42559        | C                      | Degree Celsius            | A unit of temperature of the temperature scale designed so that the freezing point of water is 0 degrees and the boiling point is 100 degrees at standard atmospheric pressure. The current official definition of the Celsius sets 0.01 C to be at the triple point of water and a degree to be 1/273.16 of the difference in temperature between the triple point of water and absolute zero. One degree Celsius represents the same temperature difference as one Kelvin. (NCI) | Degree Celsius            |
| C49668        | cm                     | Centimeter                | A basic unit of length equal to one hundredth of a meter or approximately 0.393700787 inch.  | Centimeter                |
| C44277        | F                      | Degree Fahrenheit         | The Fahrenheit temperature scale is named after the German physicist Gabriel Fahrenheit (1686-1736), who proposed it in 1724. In this scale, the freezing point of water is 32 degrees Fahrenheit and the boiling point is 212 degrees, placing the boiling and melting points of water 180 degrees apart. In this scale a degree Fahrenheit is 5/9ths of a Kelvin (or of a degree Celsius), and minus 40 degrees Fahrenheit is equal to minus 40 degrees Celsius. (NCI)           | Degree Fahrenheit         |
| C48155        | g                      | Gram                      | A metric unit of mass equal to one one thousandth of a kilogram. (NCI)   | Gram                      |
| C48500        | in                     | Inch                      | A traditional unit of length equal to 2.54 centimeters. (NCI)  | Inch                      |
| C28252        | kg                     | Kilogram                  | The basic SI unit of mass. It is defined as the mass of an international prototype in the form of a platinum-iridium cylinder kept at Sevres in France. It is the only basic unit still defined in terms of a material object, and also the only one with a prefix [kilo] already in place. A kilogram is equal to 1,000 grams and 2.204 622 6 pounds. (NCI)   | Kilogram                  |
| C49671        | kg/m2                  | Kilogram per Square Meter | A unit expressed as kilogram of mass per square meter of area.(NCI)  | Kilogram per Square Meter |
| C48531        | LB                     | Pound                     | A traditional unit of mass. By international agreement, one avoirdupois pound is equal to exactly 0.453 592 37 kilogram, 16 ounces, or 1.215 28 troy pounds. (NCI)   | Pound                     |
| C42569        | m2                     | Square Meter              | The SI unit of area measurement equal to a square whose sides are one meter long. Square meter is equal to 10,000 square centimeters; 0.01 ares; 1.196 square yards; 10.76 square feet; 1550 square inches. (NCI)  | Square Meter              |
| C28251        | mm                     | Millimeter                | A unit of measure equal to one thousandth of a meter. (NCI)  | Millimeter                |
| C49670        | mmHg                   | Millimeter of Mercury     | A unit of pressure equal to 0.001316 atmosphere and equal to the pressure indicated by one millimeter rise of mercury in a barometer at the Earth's surface. (NCI)   | Millimeter of Mercury     |

## VSTEST (Vital Signs Test Name)

NCI Code: C67153, Codelist extensible: Yes

| C67153 VSTEST |                              |                              |   |                                 |
|---------------|------------------------------|------------------------------|---|---------------------------------|
| NCI Code      | CDISC Submission Value       | CDISC Synonym                | CDISC Definition  | NCI Preferred Term              |
| C103346       | Abdominal Skinfold Thickness | Abdominal Skinfold Thickness | A measurement for determining the subcutaneous fat layer thickness whereby a pinch of skin approximately five centimeters to the right of the umbilicus is measured using calipers. (NCI)   | Abdominal Skinfold Thickness    |
| C126083       | Basal Metabolic Rate         | Basal Metabolic Rate         | The measurement of a subject's energy expenditure when at rest.   | Basal Metabolic Rate            |
| C122232       | Body Fat Measurement         | Body Fat Measurement         | A measurement of the total fat mass within the subject's body. (NCI)  | Body Fat Measurement            |
| C49680        | Body Frame Size              | Body Frame Size              | The categorization of a person's body frame into small, medium and large based on the measurement of wrist circumference or the breadth of the elbow. (NCI)   | Body Frame Size                 |
| C81298        | Body Length                  | Body Length                  | The linear extent in space from one end of the body to the other end, or the extent of the body from beginning to end.  | Total Body Length               |
| C16358        | Body Mass Index              | Body Mass Index              | A general indicator of the body fat an individual is carrying based upon the ratio of weight to height. (NCI)   | Body Mass Index                 |
| C25157        | Body Surface Area            | Body Surface Area            | A measure of the 2-dimensional extent of the body surface (i.e., the skin). Body surface area (BSA) can be calculated by mathematical formula or from a chart that relates height to weight. BSA is often an important factor in dosing. (NCI)  | Body Surface Area               |
| C25299        | Diastolic Blood Pressure     | Diastolic Blood Pressure     | The blood pressure after the contraction of the heart while the chambers of the heart refill with blood. (NCI)  | Diastolic Blood Pressure        |
| C100946       | Forearm Circumference        | Forearm Circumference        | The distance around an individual's forearm.  | Forearm Circumference           |
| C81255        | Head Circumference           | Head Circumference           | A circumferential measurement of the head at the widest point.  | Head Circumference              |
| C49677        | Heart Rate                   | Heart Rate                   | The number of heartbeats per unit of time, usually expressed as beats per minute. (NCI)   | Heart Rate                      |
| C25347        | Height                       | Height                       | The vertical measurement or distance from the base to the top of an object; the vertical dimension of extension. (NCI)  | Height                          |
| C100947       | Hip Circumference            | Hip Circumference            | The distance around an individual's pelvic area or hips.  | Hip Circumference               |
| C117976       | Ideal Body Weight            | Ideal Body Weight            | A person's optimum weight as calculated by a standard methodology.  | Ideal Body Weight               |
| C84372        | Knee to Heel Length          | Knee to Heel Length          | A measurement of the length of the lower leg from the top of the knee to the bottom of the heel. This measurement may be taken with a knemometer or calipers. (NCI)   | Knee to Heel Length Measurement |
| C71258        | Lean Body Mass               | Lean Body Mass               | The weight of all organs and tissue in an individual less the weight of the individual's body fat.  | Lean Body Mass                  |
| C49679        | Mean Arterial Pressure       | Mean Arterial Pressure       | The mean pressure of the blood within the arterial circulation. The arterial pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. The mean arterial pressure (MAP) can be calculated by subsequent analysis of the waveform. MAP can be approximated without an invasive procedure using the following formula: diastolic pressure plus 1/3 of the pulse pressure, where pulse pressure is systolic pressure - diastolic pressure. (NCI) | Mean Arterial Pressure          |
| C124475       | Mid-Upper Arm Circumference  | Mid-Upper Arm Circumference  | The distance around an individual's upper arm, at the widest point.   | Mid-Upper Arm Circumference     |
| C60832        | Oxygen Saturation            | Oxygen Saturation            | A measurement of the oxygen-hemoglobin saturation of a volume of blood.   | Oxygen Saturation Measurement   |
| C100945       | Pulse Pressure               | Pulse Pressure               | The change in systolic to diastolic pressure which produces a pulse.  | Pulse Pressure                  |
| C49676        | Pulse Rate                   | Pulse Rate                   | The rate of the pulse as observed in an artery, expressed as beats per minute. It can be measured at several anatomical sites, including the wrist, neck, temple, groin, behind the knees, or on top of the foot. (NCI)   | Pulse Rate                      |

| C67153 VSTEST |                                |                                |   |                                |
|---------------|--------------------------------|--------------------------------|---|--------------------------------|
| NCI Code      | CDISC Submission Value         | CDISC Synonym                  | CDISC Definition  | NCI Preferred Term             |
| C49678        | Respiratory Rate               | Respiratory Rate               | The rate of breathing (inhalation and exhalation) measured within in a unit time, usually expressed as breaths per minute. (NCI)  | Respiratory Rate               |
| C87054        | Sagittal Abdominal Diameter    | Sagittal Abdominal Diameter    | A standard measure of visceral obesity, or abdominal fat, which is measured from the patient's back to upper abdomen between the bottom of the rib cage and the top of the pelvic area. This measurement may be taken with the patient standing or in the supine position. (NCI)  | Sagittal Abdominal Diameter    |
| C98785        | Subscapular Skinfold Thickness | Subscapular Skinfold Thickness | A measurement of the thickness of a pinch of skin situated below or on the underside of the scapula. (NCI)  | Subscapular Skinfold Thickness |
| C25298        | Systolic Blood Pressure        | Systolic Blood Pressure        | The blood pressure during the contraction of the left ventricle of the heart. (NCI)   | Systolic Blood Pressure        |
| C25206        | Temperature                    | Temperature                    | The property of a body or region of space that determines whether or not there will be a net flow of heat into it or out of it from a neighboring body or region and in which direction (if any) the heat will flow, perceptible by living organism as a somatic sensation of cold or heat. It is a measure of the average translational kinetic energy associated with the disordered microscopic motion of atoms and molecules. Temperature is measured in one of the three standard temperature scales: Celsius, Kelvin, and Fahrenheit. (NCI) | Temperature                    |
| C104622       | Total Body Water               | Total Body Water               | A measurement of the quantity of water within the body, including both the intracellular and extracellular compartments.  | Total Body Water Measurement   |
| C98793        | Triceps Skinfold Thickness     | Triceps Skinfold Thickness     | A measurement of the thickness of a pinch of skin on the triceps. (NCI)   | Triceps Skinfold Thickness     |
| C100948       | Waist Circumference            | Waist Circumference            | The distance around an individual's midsection or waist.  | Waist Circumference            |
| C25208        | Weight                         | Weight                         | The vertical force exerted by a mass as a result of gravity. (NCI)  | Weight                         |

## VSTESTCD (Vital Signs Test Code)

NCI Code: C66741, Codelist extensible: Yes

| C66741 VSTESTCD |                        |                              |   |                                 |
|-----------------|------------------------|------------------------------|---|---------------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym                | CDISC Definition  | NCI Preferred Term              |
| C103346         | ABSKNF                 | Abdominal Skinfold Thickness | A measurement for determining the subcutaneous fat layer thickness whereby a pinch of skin approximately five centimeters to the right of the umbilicus is measured using calipers. (NCI)   | Abdominal Skinfold Thickness    |
| C16358          | BMI                    | Body Mass Index              | A general indicator of the body fat an individual is carrying based upon the ratio of weight to height. (NCI)   | Body Mass Index                 |
| C126083         | BMR                    | Basal Metabolic Rate         | The measurement of a subject's energy expenditure when at rest.   | Basal Metabolic Rate            |
| C81298          | BODLNGTH               | Body Length                  | The linear extent in space from one end of the body to the other end, or the extent of the body from beginning to end.  | Total Body Length               |
| C122232         | BODYFATM               | Body Fat Measurement         | A measurement of the total fat mass within the subject's body. (NCI)  | Body Fat Measurement            |
| C25157          | BSA                    | Body Surface Area            | A measure of the 2-dimensional extent of the body surface (i.e., the skin). Body surface area (BSA) can be calculated by mathematical formula or from a chart that relates height to weight. BSA is often an important factor in dosing. (NCI)  | Body Surface Area               |
| C25299          | DIABP                  | Diastolic Blood Pressure     | The blood pressure after the contraction of the heart while the chambers of the heart refill with blood. (NCI)  | Diastolic Blood Pressure        |
| C100946         | FARMCIR                | Forearm Circumference        | The distance around an individual's forearm.  | Forearm Circumference           |
| C49680          | FRMSIZE                | Body Frame Size              | The categorization of a person's body frame into small, medium and large based on the measurement of wrist circumference or the breadth of the elbow. (NCI)   | Body Frame Size                 |
| C81255          | HDCIRC                 | Head Circumference           | A circumferential measurement of the head at the widest point.  | Head Circumference              |
| C25347          | HEIGHT                 | Height                       | The vertical measurement or distance from the base to the top of an object; the vertical dimension of extension. (NCI)  | Height                          |
| C100947         | HIPCIR                 | Hip Circumference            | The distance around an individual's pelvic area or hips.  | Hip Circumference               |
| C49677          | HR                     | Heart Rate                   | The number of heartbeats per unit of time, usually expressed as beats per minute. (NCI)   | Heart Rate                      |
| C117976         | IDEALWT                | Ideal Body Weight            | A person's optimum weight as calculated by a standard methodology.  | Ideal Body Weight               |
| C84372          | KNEEHEEL               | Knee to Heel Length          | A measurement of the length of the lower leg from the top of the knee to the bottom of the heel. This measurement may be taken with a knemometer or calipers. (NCI)   | Knee to Heel Length Measurement |
| C71258          | LBM                    | Lean Body Mass               | The weight of all organs and tissue in an individual less the weight of the individual's body fat.  | Lean Body Mass                  |
| C49679          | MAP                    | Mean Arterial Pressure       | The mean pressure of the blood within the arterial circulation. The arterial pressure may be directly measured by insertion of an intra-arterial catheter connected to a transducer. The mean arterial pressure (MAP) can be calculated by subsequent analysis of the waveform. MAP can be approximated without an invasive procedure using the following formula: diastolic pressure plus 1/3 of the pulse pressure, where pulse pressure is systolic pressure - diastolic pressure. (NCI) | Mean Arterial Pressure          |
| C124475         | MUARMCIR               | Mid-Upper Arm Circumference  | The distance around an individual's upper arm, at the widest point.   | Mid-Upper Arm Circumference     |
| C60832          | OXYSAT                 | Oxygen Saturation            | A measurement of the oxygen-hemoglobin saturation of a volume of blood.   | Oxygen Saturation Measurement   |
| C49676          | PULSE                  | Pulse Rate                   | The rate of the pulse as observed in an artery, expressed as beats per minute. It can be measured at several anatomical sites, including the wrist, neck, temple, groin, behind the knees, or on top of the foot. (NCI)   | Pulse Rate                      |
| C100945         | PULSEPR                | Pulse Pressure               | The change in systolic to diastolic pressure which produces a pulse.  | Pulse Pressure                  |

| C66741 VSTESTCD |                        |                                |   |                                |
|-----------------|------------------------|--------------------------------|---|--------------------------------|
| NCI Code        | CDISC Submission Value | CDISC Synonym                  | CDISC Definition  | NCI Preferred Term             |
| C49678          | RESP                   | Respiratory Rate               | The rate of breathing (inhalation and exhalation) measured within in a unit time, usually expressed as breaths per minute. (NCI)  | Respiratory Rate               |
| C87054          | SAD                    | Sagittal Abdominal Diameter    | A standard measure of visceral obesity, or abdominal fat, which is measured from the patient's back to upper abdomen between the bottom of the rib cage and the top of the pelvic area. This measurement may be taken with the patient standing or in the supine position. (NCI)  | Sagittal Abdominal Diameter    |
| C98785          | SSSKNF                 | Subscapular Skinfold Thickness | A measurement of the thickness of a pinch of skin situated below or on the underside of the scapula. (NCI)  | Subscapular Skinfold Thickness |
| C25298          | SYSBP                  | Systolic Blood Pressure        | The blood pressure during the contraction of the left ventricle of the heart. (NCI)   | Systolic Blood Pressure        |
| C104622         | TBW                    | Total Body Water               | A measurement of the quantity of water within the body, including both the intracellular and extracellular compartments.  | Total Body Water Measurement   |
| C25206          | TEMP                   | Temperature                    | The property of a body or region of space that determines whether or not there will be a net flow of heat into it or out of it from a neighboring body or region and in which direction (if any) the heat will flow, perceptible by living organism as a somatic sensation of cold or heat. It is a measure of the average translational kinetic energy associated with the disordered microscopic motion of atoms and molecules. Temperature is measured in one of the three standard temperature scales: Celsius, Kelvin, and Fahrenheit. (NCI) | Temperature                    |
| C98793          | TRSKNF                 | Triceps Skinfold Thickness     | A measurement of the thickness of a pinch of skin on the triceps. (NCI)   | Triceps Skinfold Thickness     |
| C25208          | WEIGHT                 | Weight                         | The vertical force exerted by a mass as a result of gravity. (NCI)  | Weight                         |
| C100948         | WSTCIR                 | Waist Circumference            | The distance around an individual's midsection or waist.  | Waist Circumference            |